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# COELENTERATA

COMPILED BY

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# 4. COELENTERATA

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## II.—SUBJECT INDEX

### GENERAL LITERATURE AND HISTORY

**Textbooks and General Works.**—BULMAN.

**Popular works.**—Marine coelenterates, ZAHL.

**Monographs.**—Japanese Carboniferous and Permian corals, MINATO (1); Palaeozoic Tabulate corals of European Russia, [SOKOLOV (3)].



**Classification and Nomenclature.**—Nomenclature of *Stylaster gemascens* and *Madrepora gemascens*, BOSCHMA ; systematic position of *Eucondonium brownei*, PICARD (3) ; classification of the Graptolithina, BULMAN ; systematic position of the graptolites, [OBUT] ; Trachypsammacea a new order of alcyonarians, MONTANARO-GALLITELLI (2) ; the Schizocorallia, a Sub-Class of Palaeozoic corals, [SOKOLOV (1)].

**Terminology.**—For Rugose corals, [SOSHKINA (1)].

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*Didymograptus hirundo* p. 63 fig., *patulus* p. 63 fig., *jakovlevi* **sp. n.** p. 64 fig. Ordovician Siberia, *robustus* p. 65 fig., *suecicus* p. 65 fig., *euodus* p. 66 fig., *liber* p. 67 fig., [KELLER & LISOGOR] Trav. Inst. géol. S.S.S.R. 154 1954.—*D. bifidus* p. 151 fig., [KHALFIN].



*Diplograptus* cf. *molestus* p. 696 fig., cf. *multidens* var. *compactus* p. 696 fig., CLARK & STRACHAN.—*D. obuti* **sp. n.** p. 72 fig. Ordovician Siberia, [KELLER & LISOGOR] Trav. Inst. géol. S.S.S.R. 154 1954.—*D. tamariscus* p. 152 fig., [KHALFIN].—*D. moyeroensis* **sp. n.** p. 138 fig., *modestus sibirica* **subsp. n.** p. 138 fig., Llandoveryan Siberia, [OBUT] Field Atlas Ord. & Sil. Fauna of the Siberian Platform 1955.

*Diversograptus ramosus* var. *bohemicus* p. 55 fig., MALINOWSKA.

*Glyptograptus dentatus* p. 71 fig., *teretiusculus* p. 72 fig., [KELLER & LISOGOR].—*G. tamariscus* p. 137 fig., [OBUT] (1).

*Hedrograptus janischewskyi* p. 137 fig., [OBUT].

*Isograptus* p. 67, *victoriae* p. 68 fig., *divergens* p. 69 fig., *valeriani* **sp. n.** p. 69 fig. Ordovician Siberia, [KELLER & LISOGOR] Trav. Inst. géol. S.S.S.R. 154 1954.

Lasiograptidae **fam. n.** p. V87, BULMAN in R. C. Moore Treatise on Invertebrate Paleontology V 1955.

*Lasiograptus eucharis* p. 696, CLARK & STRACHAN.

*Leptograptus* ? *sp. ind.* p. 838 fig., WHITTINGTON.

*Linograptus posthumus* p. 108 fig., *longebrachiatus* p. 109 fig., HEMMANN.—*L. posthumus* p. 55 fig., MALINOWSKA.

*Mediograptus* see *Monograptus*.

*Monoclimacis griestoniensis* var. *kettneri* p. 44 fig., cf. var. *minuta* p. 44 fig., *geinitzi* p. 45 fig., *hemipristis* p. 45 fig., *linnarssoni* p. 46 fig., *vomerina* var. *subgracilis* p. 46 fig., var. *vomerina* p. 47 fig., MALINOWSKA.—*M. asiatica* p. 99 fig., *alaica* p. 99 fig., [OBUT].

*Monograptus* *sp.* (ex aff. *micropoma*) p. 273 fig., EISENACK.—*M. (Monograptus) lobiferus bulgaricus*, *M. (Streptograptus) pseudobecki* p. 24, FLÜGEL.—*M. (Monograptus) lobiferus bulgaricus* p. 481, *M. (M. ?) halli* ? p. 481, *M. (Streptograptus) admirandus* p. 482, cf. *nodifer* p. 483, FLÜGEL (4).—*M. hercynicus* *subsp. praehercynicus* nom. nud. p. 418, JAEGER.—*M. distans* p. 152 fig., [KHALFIN].—*M. dubius* p. 360 fig., *haupti* **sp. n.** p. 365 fig. Silurian Germany, *gerhardi* **sp. n.** p. 368 fig. Silurian Germany,

*colonus* p. 370 fig., *chimaera* p. 372 fig., *micropoma* p. 379 fig., *bohemicus* p. 382 fig., *nilssoni* p. 384 fig., *eunebeni* **sp. n.** p. 386 fig. Silurian Germany (a junior synonym of *Cucullograptus pazdroi* p. 400), cf. *aversus* p. 389 fig., *scanicus* p. 391 fig., *parascanicus* **sp. n.** p. 392 fig. Silurian Germany, *sp.* p. 395 fig., KÜHNE Neues Jb. Geol. Paläont. Abh. 100 3 1955.—*M. (Monograptus) flemingii* var. *flemingii* p. 36 fig., *holmi* p. 36 fig., *marri* p. 37 fig., *priodon* p. 37 fig., *scanicus* p. 38 fig., *testis* var. *inornatus* p. 38 fig., var. *testis* p. 39 fig., cf. *uncinatus* var. *uncinatus* p. 39 fig., *veles* p. 40 fig., *M. (Streptograptus) crispus* p. 40 fig., *exiguus* var. *exiguus* p. 41 fig., *nodifer* p. 41 fig., *M. (Mediograptus) kolihai* var. *kolihai* p. 42 fig., *M. cultellus* p. 42 fig., *irfonensis* p. 43 fig., *varians* var. *pumilus* p. 43 fig., MALINOWSKA.—*M. incommodus* p. 139 fig., [OBUT] (1).

*Neurograptus* cf. *margaritatus* p. 696 fig., CLARK & STRACHAN.

*Orthograptus calcaratus* cf. var. *acutus* p. 693 fig., cf. *calcaratus* var. *cornutus* p. 693 fig., cf. *intermedius* p. 695 fig., cf. *peosta* p. 695 fig., cf. *pageanus* var. *micranthus* p. 696 fig., CLARK & STRACHAN.

Petalograptinae **subfam. n.** (of Diplograptidae) p. V87, BULMAN in R. C. Moore Treatise on Invertebrate Paleontology V 1955.

*Petalograptus* validation p. V87, BULMAN.

*Petalolithus palmeus palmeus* p. 25, FLÜGEL.—*P. elongatus elongatus* ? p. 479, *elongatus linearis* p. 480, FLÜGEL (4).—*P. palmeus palmeus* p. 30 fig., *tenuis* p. 30 fig., MALINOWSKA.

*Phormograptus* **gen. n.** (? fam. Retiolitidae) p. 846, type *sp.* (by original designation) *sooneri* **sp. n.** p. 847 fig. Ordovician Oklahoma, WHITTINGTON J. Paleont. 29 5 1955.

*Phyllograptus walkeri* p. 62 fig., [KELLER & LISOGOR].

*Pipigraptus* **gen. n.** (fam. Diplograptidae) p. 839, type *sp.* (by original designation) *hesperus* **sp. n.** p. 841 fig. Ordovician Oklahoma, WHITTINGTON J. Paleont. 29 5 1955.

*Plectograptus macilentus* p. 31 fig., MALINOWSKA.

*Pleurograptus* **nom. conserv.** (for *Pleurograpsus*) p. V83, BULMAN in R. C. Moore Treatise on Invertebrate Paleontology **V** 1955.

*Pristiograptus* (*Pristiograptus*) *tumescens* tumescens p. 22, cf. *kosoviensis* p. 23, *variabilis* p. 25, FLÜGEL.—*P.* (*Pristiograptus*) *frequens* p. 58 fig., MALINOWSKA.—*P. gregarius angusta* **subsp. n.** p. 138 fig. Llandoverian Siberia, *concinus* p. 139 fig., [OBUT] in [Nikiforova Field Atlas Ord. and Sil. Fauna of the Siberian Platform] 1955.

*Pseudoclimacograptus* cf. *extremus* p. 31 fig., MALINOWSKA.—*P. hughesi* p. 137 fig., [OBUT] (1).

*Pseudoplegmatograptus obesus obesus* p. 32 fig., cf. *obesus reticulatus* p. 32 fig., cf. *obesus relictus* p. 33 fig., MALINOWSKA.

*Rastrites carnicus* p. 484, *longispinus nafizi* **subsp. n.** p. 485 fig. Silurian Turkey, FLÜGEL Neues Jb. Geol. Paläont. Monats. 1955 B11 1955.—*R. peregrinus* p. 152 fig., *longispinus* [as *longispinus* (sic)] p. 152 fig., [KHALFIN].—*R. carnicus* p. 56 fig., *distans* p. 56 fig., *linnaei* p. 57 fig., *maximus* p. 57 fig., MALINOWSKA.

*Retiolites* (*Retiolites*) *geinitzianus* var. *angustidens* p. 33 fig., var. *geinitzianus* p. 34 fig., var. *densereticulatus* p. 34 fig., *R.* (*Stomatograptus*) *grandis* var. *grandis* p. 35 fig., var. *maior* p. 35 fig., MALINOWSKA.

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*Spirograptus planus* p. 483, FLÜGEL (4).—*S. flagellaris* p. 47 fig., *planus* p. 48 fig., *proteus* p. 48 fig., *spiralis* var. *contortus* p. 49 fig., var. *spiralis* p. 50 fig., *turriculatus* var. *minor* p. 50 fig., var. *turriculatus* p. 51 fig., MALINOWSKA.

*Stolonodendridae* **fam. n.** p. V43, BULMAN in R. C. Moore Treatise on Invertebrate Paleontology **V** 1955.

*Stomatograptus* see *Retiolites*.

*Streptograptus rectangularis* genolectotype of *Ruedemannograptus* p. V37, BULMAN.—*S.* see *Monograptus*.

*Tetragraptus similis* p. 61 fig., [KELLER & LISOGOR].

*Trigonograptus ensiformis* p. 74 fig., *praelongus* **sp. n.** p. 74 fig. Ordovician Siberia, [KELLER & LISOGOR] Trav. Inst. géol. S.S.S.R 154 1954.

## SCYPHOZOA

*Aurelia flavidula* Haeckel is *limbata* p. 164, KRAMP (1).—*A.* spp. p. 120, MACGINITIE.

*Cassiopea frondosa* p. 165, KRAMP (1).—*C.* [as *Cassiopeia* (sic)] *andromeda* p. 243 fig., SCHÄFER.

*Charybdea marsupialis* p. 162, KRAMP (1).

*Chiropsalmus quadrigatus* p. 162, KRAMP (1).—*C. quadrumanus* p. 120 fig., VANNUCCI.

*Chrysaora* sp. p. 121, MACGINITIE.—*C. mediterranea*, *blossevillei*, *fulgida* and *plocamia* are synonyms of *hysoscella* pp. 123, 125 fig., *callipara* and *chinensis* are synonyms of *helvola* p. 125, *gilbertia* is a synonym of *melanaster* p. 125, VANNUCCI.

*Cotylorhiza tuberculata* p. 166, *C.?* (*Stylorhiza?*) Haeckel is *Mastigias ocellata* p. 166, KRAMP (1).

*Cramborhiza flagellata* Haeckel is *Lychnorhiza lucerna* p. 167, KRAMP (1).

*Cyanea arctica* Haeckel is *capillata* p. 164, KRAMP (1).—*C.* spp., *capillata* p. 120, MACGINITIE.

*Linerges pegasus* and *mercuris* both of Haeckel are *Linuche unguiculata* p. 162, *draco* p. 163, KRAMP (1).

*Liniscus sandaloapterus* Haeckel is *Linuche unguiculata* p. 163, *cyamopteris* Haeckel is *Nausithoe punctata* p. 163, KRAMP (1).

*Linuche unguiculata* pp. 162, 163, KRAMP (1).

*Lychnorhiza lucerna* p. 167, KRAMP (1).—*L. lucerna* p. 128, VANNUCCI.

*Mastigias ocellata* p. 166, *papua* p. 167, KRAMP (1).

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*Netrostoma coerulescens* p. 165, KRAMP (1).

*Pelagia perla* and *phosphora* p. 163 and *cyanella* p. 164 all of Haeckel are all *noctiluca*, KRAMP (1).

*Periphylla hyacinthina* Haeckel is *periphylla* p. 161, KRAMP (1).

*Polyclonia frondosa* Haeckel is a sp. of *Cassiopea* p. 165, KRAMP (1).

*Polyrhiza vesiculosa* Haeckel is *Netrostoma coerulescens* p. 165, KRAMP (1).

*Stenoptycha dactylometra* Haeckel is *Cyanea capillata* p. 164, KRAMP (1).

*Stephanoscyphus simplex, allmani* p. 58, DAWYDOFF.—*S. simplex* p. 123 fig., *bianconis* a junior synonym of *simplex* p. 125, KRAMP.

*Stomolophus fritillaria* Haeckel is *meleagris* var. *fritillaria* p. 165, *agaricus* is *meleagris* p. 166, KRAMP (1).—*S. meleagris* p. 126 fig., VANNUCCI.

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*Versura palmata* Haeckel is *Mastigias ocellata* p. 166, KRAMP (1).

## ANTHOZOA

### ALCYONARIA

*Acanella arbuscula* p. 30, BROCH.

†*Actinotheca* discussed p. 226, MONTANARO-GALLITELLI (2).

*Alcyonium palmatum adriaticum* p. 88 fig., PAX & MÜLLER.—*A. digitatum, palmatum palmatum, palmatum adriaticum* p. 123, *brioniense* p. 124, PAX & MÜLLER (1).—*A. palmatum adriaticum* p. 10 fig., *brioniense* p. 12 fig., PAX & MÜLLER (2).—*A. altum* p. 199 fig., *caparti* p. 204 fig., *globosum* p. 208 fig., *gruveli* p. 212 fig., *laeve* p. 216 fig., *laxum* p. 219 fig., *miniaturum* p. 223 fig., *monodi* p. 225 fig., *patulum* p. 230 fig., *pobeguini* p. 234 fig., *strictum* p. 237 fig., *violaceum* p. 242 fig., **spp. n.** tropical W. Africa, TIXIER-DURIVAUT Rés. Scient. Expéd. Océanogr. Belg. Eaux Côt. Afr. 3 4 1955.—*A. gracillimum* p. 45 fig., UTINOMI.

*Caligorgia kinoshitae* pl. 4, BAYER.

*Capnella glomerata* p. 27, BROCH.

*Cavernularia elegans* p. 389, BUCHANAN.—*C. pusilla* p. 125, PAX & MÜLLER (1).

*Clavularia (Cornulariella) arctica* p. 26, BROCH.

*Corallium imperiale* p. 208 fig., *ducale* p. 210 fig., **spp. n.** Guadalupe Island, BAYER Proc. U.S. nat. Mus. 105 1955.—*C. rubrum* p. 39 fig., PAX & MÜLLER (2).

*Cornularia cornucopiae* p. 87, PAX & MÜLLER.

*Cornulariella* see *Clavularia*.

*Ctenocella* sp. pl. 5, BAYER.

*Ellisella* replaces *Scirpearia* p. 215, BAYER.

*Ellisellidae* discussed p. 214, BAYER.

*Eunephthya rubiformis* p. 121, MACGINITIE.

*Eunicea mammosa* the type sp. of *Eunicea* p. 212, BAYER Proc. U.S. nat. Mus. 105 1955.

*Eunicella verrucosa* p. 40 fig., var. *typica*, var. *stricta* p. 40, PAX & MÜLLER (2).

*Funiculina quadrangularis* p. 125, PAX & MÜLLER (1).—*F. quadrangularis* p. 68 fig., PAX & MÜLLER (2).

*Gersemia rubiformis rubiformis* p. 28, *rubiformis fruticosa* p. 29, BROCH.

*Gorgonella* discussed p. 214, BAYER.

*Gorgonia antipathes* var.  $\beta$  and *suffruticosa* are spp. of *Rumphella* p. 212, *umbraculum* the type sp. of *Verrucella* p. 215, BAYER.

†*Graphularia* discussed p. 217, *wetherelli* p. 217 fig., BAYER.—*G. (?) sasai* **sp. n.** p. 288 fig. Eo-Oligocene Japan, YABE Proc. Japan Acad. 31 5 1955.

*Heliopora coerulea* p. 62, DAWYDOFF.

*Ifalukella* **gen. n.** (fam. Ifalukellidae) p. 213, type species (by original designation) *yanii* **sp. n.** p. 213 fig. Caroline Islands, BAYER Proc. U.S. nat. Mus. 105 1955.

Ifalukellidae **fam. n.** p. 213, BAYER Proc. U.S. nat. Mus. 105 1955.

Isididae discussed p. 216, BAYER.

*Isis hippuris* p. 216 fig., sp. p. 218 fig., BAYER.

†*Isis danae, compressa*, sp. 1 p. 211, and ? *I. brevis* p. 212 are spp. of *Parisis*, BAYER.

*Juncella* sp. pl. 5, BAYER.

*Kophobelemnon stelliferum* p. 125, PAX & MÜLLER (1).

*Litophyton viscidum* **sp. n.** p. 57 fig. Japan, UTINOMI Publ. Seto Mar. biol. Lab. 4 1 1954.

*Lobophytum batarum* p. 53 fig., UTINOMI.

*Metallogorgia melanotrichos* pl. 4, BAYER.

†*Micralcyonarites manip.* **n.** p. 1329 footnote, type (by author's designation) *vulgaris* **cent. n.** pp. 1328, 1329 fig., *fusticulus* p. 1328 fig., *fusunculus* p. 1328 fig., *scofula* p. 1328 fig., *perverru-*



*cosus* p. 1328 fig., *alloyeai* p. 1328 fig., *clava* p. 1328 fig., *laminosus* p. 1328 fig., *hystrix* p. 1328 fig., *corallioides* p. 1328 fig., *verticillatus* p. 1328 fig., *pedigerus* p. 1328 fig., *speciosus* p. 1328 fig., *tripes* p. 1328 fig., *cornutitergum* p. 1328 fig., **centt. n.** Miocene Australia, *gallicus* **cent. n.** p. 1328 fig. Eocene France, *cretacea* p. 1329, DEFLANDRE-RIGAUD C.R. Acad. Sci. Paris 241 19 1955.

*Microspicularia* a junior synonym of *Sphaerella* p. 207, BAYER.—*M. digitulata* p. 47 fig., *arborea* **sp. n.** p. 50 fig. Japan, UTINOMI Publ. Seto Mar. biol. Lab. 4 1 1954.

*Nephthea chabrolii* p. 59 fig., *crassa* p. 60 fig., *erecta* p. 61 fig., *capnelliformis* p. 63 fig., *setoensis* **sp. n.** p. 65 fig. Japan, UTINOMI Publ. Seto Mar. biol. Lab. 4 1 1954.

†*Nephtya* *cretacea* is a *Micralcyon- arites* p. 1329 footnote, DEFLANDRE-RIGAUD.

*Nidalia rigida* p. 43 fig., *dofleini* p. 45 fig., UTINOMI.

*Parerythropodium coralloides* p. 124, PAX & MÜLLER (1).

†*Parisis danae*, *compressa*, **sp.** pp. 211, 218 fig., *P. ? brevis* p. 212, BAYER.

*Pennatula phosphorea variegata*, *phosphorea rubella* p. 126, PAX & MÜLLER (1).

*Plexaura aggregata* the type sp. of *Rumphella* p. 212, BAYER.

*Plumigorgia* discussed p. 213, *hydroides* p. 214 fig., *wellsi* **sp. n.** p. 214 fig. Marshall Islands, BAYER Proc. U.S. nat. Mus. 105 1955.

†*Pragnellia* discussed p. 226, MONTANARO-GALLITELLI (2).

*Primnois* *antarctica* p. 216 fig., BAYER.

†*Pteridinium simplex* p. 246 fig., RICHTER.

*Pteroeides spinosum* p. 127, PAX & MÜLLER (1).—*P. spinosum* p. 68 fig., var. *brevispinosa*, var. *longespinoza* p. 68, PAX & MÜLLER (2).

†*Pteroeides argenteum* p. 300 fig., BAYER (1).

†*Rangea schneiderhöhni* p. 264 fig., RICHTER.

*Rhizoxenia rosea* a sp. of *Zoantha* p. 87, PAX & MÜLLER.

*Riisea* **sp.** p. 215 fig., BAYER.

*Rumphella* **gen. n.** (fam. Plexauridae) p. 212, type species (by original designation) *Plexaura aggregata* p. 212 fig. Flores Sea, etc., *antipathes* var.  $\beta$ , *suffruticosa* p. 212, BAYER Proc. U.S. nat. Mus. 105 1955.

*Sarcophyton* [as *Sarcophytum* (sic)] *ehrenbergi* p. 124, *digitatum* p. 125, *glaucum* p. 126, *latum* p. 127, TIXIER-DURIVAUULT.—*S. acutangulum* p. 51, *elegans* p. 52 fig., UTINOMI.

*Scirpearia* discussed p. 215, BAYER.

*Simularia polydactyla* p. 121, *simpsoni* p. 122, *leptocladus* p. 123, TIXIER-DURIVAUULT.—*S. gardineri* p. 50 fig., UTINOMI.—*S. sp.* p. 17 fig., WELLS.

†*Simularia* **sp.** p. 17, WELLS.

*Sphaerella* discussed, a senior synonym of *Microspicularia* p. 207, BAYER.

*Stylatula* discussed p. 217, **sp.** p. 217 fig., BAYER.

*Suberia clavaria* the type sp. of *Tripalea* p. 208, BAYER.

†*Trachypsammacea* **ord. n.** p. 224, MONTANARO-GALLITELLI Atti Accad. Modena (5) 13 1955.

†*Trachypsammia* discussed p. 224, MONTANARO-GALLITELLI (2).

*Tripalea* **gen. n.** (fam. Anthotheliidae) p. 208, type species (by original designation) *Suberia clavaria* p. 208 E. coast of S. America, BAYER Proc. U.S. nat. Mus. 105 1955.

*Tubipora musica* p. 124, PAX & MÜLLER (1).

*Umbellula encrinus* p. 30, BROCH.

*Veretillum cynomorium* p. 388, BUCHANAN.—*V. cynomorium* p. 90 fig., PAX & MÜLLER.—*V. cynomorium* p. 125, PAX & MÜLLER (1).—*V. cynomorium* p. 67 fig., PAX & MÜLLER (2).

*Verrucella* discussed, genoelectotype chosen *umbraculum* p. 215, **sp.** pl. 5, BAYER Proc. U.S. nat. Mus. 105 1955.

*Virgularia* p. 217, **sp.** p. 217 fig., BAYER.—*V. presbytes* **sp. n.** p. 295 fig. Gulf of Mexico, *mirabilis* Bayer non Müller is *presbytes* p. 295, BAYER J. Wash. Acad. Sci. 45 9 1955.—*V. glacialis*, *tuberculata* p. 32, BROCH.—*V. rumphii*, **sp.** p. 389, BUCHANAN.—*V. mirabilis mirabilis* p. 126, PAX & MÜLLER (1).

†*Virgularia presbytes* **sp. n.** p. 295 fig. Eocene Trinidad, **sp. p.** 300, BAYER J. Wash. Acad. Sci. **45** 9 1955.

*Xenia kusimotoensis* p. 263 fig., *fimbriata* p. 265 fig., **spp. n.** Japan, UTINOMI Publ. Seto Mar. biol. Lab. **4** 2-3 1955.

*Xiphigorgia anceps* p. 262 fig., RICHTER.

*Zoantha* Lesson *non* Dana validity discussed, *rosea* p. 87 PAX & MÜLLER.

#### †TABULATA

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Billingsariinae diagnosed p. 246, HILL.

*Calapoecia anticostiensis* p. 29 fig., [SOKOLOV (2)].

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*Cambrophyllum* **gen. n.**, type species (by original designation) *problematicum* **sp. n.** p. 181 fig. Upper Cambrian Montana, FRITZ & HOWELL J. Paleont. **29** 1 1955.

*Catenipora* p. 21, *escharoides* pp. 25, 29, *gracilis* p. 36 fig., *elegans* p. 40, *quadrata* p. 41, *microporus* p. 44 fig., *quebecensis* p. 46 fig., *simplex* p. 47 fig., *agglomeratiformis* p. 49, *chillagoensis* p. 57, *robustus*, *delicatulus* p. 58, *pulchellus*, *cylindricus*, *nicholsoni* p. 59, *gracilis* var. *borealis*, *sapporiensis* p. 60, *sindoensis* p. 61, *minimus* p. 62, *aequabilis* p. 63, *huronensis*, *irregularis* p. 64, *rassmusseni* p. 65, BUEHLER.

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*Cleistopora* discussed p. 6, *typha gorbyi* **comb. n.** p. 6 fig., *typha typha* **comb. n.** p. 6, *typha winchelli* **comb. n.** p. 6, Carboniferous U.S.A., JEFFORDS Paleont. Contr. Univ. Kans. Coel. **Art. 3** 1955.

Cleistoporidae discussed p. 5, JEFFORDS (1).

Coccoseridinae diagnosed p. 249, HILL.

*Coccoseris ramosa* **sp. n.** p. 249 fig. Ordovician Tasmania, HILL Proc. roy. Soc. Tasmania **89** 1955.

*Cryptolichenaria miranda* p. 27 fig., [SOKOLOV (2)].

*Cyrtophyllum laxum* p. 34 fig., *lambeiforme* p. 34 fig., [SOKOLOV (2)].

*Desmidopora multitabulata* **sp. n.** p. 1057 fig. Silurian New South Wales, FITZGERALD J. Paleont. **29** 6 1955.

*Dictyofavosites* see *Favosites*.

*Emmonsia* discussed p. 272, *hemispherica* p. 274, *heritschi* **sp. n.** p. 275 fig. Devonian Turkey, FLÜGEL N. Jb. Geol. Paläont. Abh. **101** 2 1955.

*Eofletcheria* diagnosed p. 251, *contigua* p. 251 fig., *ida* p. 252 fig., **spp. n.** Ordovician Tasmania, HILL Proc. roy. Soc. Tasmania **89** 1955.

*Favosites antipertusus* p. 268 fig., *bohemicus* p. 269 fig., *hemisphericus* p. 274, FLÜGEL (2).—*F. hisingeri* p. 156 fig., *gothlandicus* p. 156 fig., *forbesi* p. 156 fig., *placensus* p. 192 fig., *aculeatus* p. 192 fig., *festivus* p. 193 fig., *oblique-spinus* p. 193 fig., var. *zlotainskii* **var. n.** p. 193 fig. Devonian W. Siberia, *polymorphus* p. 194 fig., var. *cronigera* p. 194 fig., *rzonsnickayae* p. 194 fig., *brusnit-zini* p. 195 fig., *porfirievi* p. 195 fig., *endygashensis* p. 196 fig., *goldfussi* p. 196 fig., *petrovitchi* **sp. n.** p. 196 fig. Devonian W. Siberia, *F. (Dictyofavosites) salairicus* p. 197 fig., [KRAEVSKAYA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia **1** 1955 [see p. 192 for authorship of spp. n.].—? *F. pichanensis* **sp. n.** p. 40 fig. Ordovician Argentina, RUSCONI Rev. Mus. Hist. nat. Mendoza **8** 1-4 1955.—*F. favosus* p. 31 fig., [SOKOLOV (2)].

*Halysites* p. 21, *catenularia* pp. 24, 28, *labyrinthica*, p. 29 fig., *attenuata*, *dichotoma* p. 30, *macrostoma*, *stenostoma*, *jacovickii* p. 31, *approximata*, *communicans* p. 32, *dissimilis*, *distans*, *exilis* p. 33, *reticulata* p. 34, *meandrina* p. 34 fig., *melchlini* p. 35, *agglomerata* p. 35 fig., *sexto-catenatus*, *parallelus* p. 38, *cavernosa*, *regularis* p. 39, *obliqua* p. 40, *compactus* p. 41 fig., *harti*, *fieldeni* p. 43, *nexus* p. 45 fig., *keyserlingi* p. 45, *amplitubata* p. 48 fig., *nitida* p. 49 fig., *radiatus*, *lithostrotionoides* p. 50, *orthopteroides* p. 51, *sussmilchi* p. 52, *cratus* p. 53, *australis*, *pycnoblastoides* p. 54, *peristephesicus* p. 55, *gambolicus* p. 56, *gotlandicus*, *hupehensis* p. 57, *catenularius* var. *borealis* p. 61, *lata*, *taimyrica* p. 62, *pseudoorthopteroides* p. 63, *kuliki* p. 65, *brownspontensis* p. 65 fig., *encrustans* **sp. n.** p. 66 fig. Silurian Canada, *infundibuliformis* **sp. n.** p. 67 fig. Silurian New York State, *magnitubus* **sp. n.** p. 68 fig. Silurian U.S.A., BUEHLER Bull. Peabody Mus. 8 1955.

*Hayasakaia nankingensis* p. 314 fig., FLÜGEL (3).

*Heliolites decipiens* p. 158 fig., *interstinctus* p. 158 fig., *vulgaris* p. 202 fig., *yavorskyi* p. 202 fig., *insolens* p. 203 fig., *tomensis* p. 203 fig., *porosus* p. 204 fig., *nagorskyi* **sp. n.** p. 204 fig. Devonian W. Siberia, *gluchovi* **sp. n.** p. 205 fig. Devonian W. Siberia, *salairicus* p. 205 fig., *khovoscheviensis* **sp. n.** p. 205 fig. Devonian W. Siberia, [KRAEVSKAYA]. Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955 [see p. 192 for authorship of spp. n.].

*Heliolitida* p. 32, [SOKOLOV (2)].

*Heliolitidae* diagnosed p. 249, HILL.  
—H. discussed p. 66, [SOKOLOV (1)].

*Kueichowpora setamaiensis* **sp. n.** p. 188 fig. Carboniferous Japan, MINATO J. Fac. Sci. Hokkaido Univ. 4 2 1955.

*Lichenaria ramosa* **sp. n.** p. 241 fig. Ordovician Tasmania, HILL Proc. roy. Soc. Tasmania 89 1955.

*Loucenipora* see Hydrozoa.

*Lyopora* cf. *favosa* p. 248 fig., HILL.

*Michelinia tenuisepta* p. 299 fig., *megastoma* p. 299 fig., [FOMITCHEV].—*M.* discussed p. 181, *M.* (*Proto-michelinia*) *multitabulata* p. 182 fig., MINATO (1).—*M. cornuformis* **sp. n.** p. 99 fig. Carboniferous Great Kozhva

River (tributary of the R. Petchora), [VOINOVSKII-KRIGER] Ann. All-Russian Palaeont. Soc. 13 1949.

*Multisolenia tortuosa* p. 31 fig., [SOKOLOV (2)].

*Nyctopora* discussed p. 246, *zeehanensis* **sp. n.** p. 247 fig. Ordovician Tasmania, *sp.* p. 247 fig., ?*N.* *sp.* p. 247 fig., HILL Proc. roy. Soc. Tasmania 89 1955.

*Palaeacis* discussed p. 8, *bifida* p. 10 fig., *enormis* pp. 9, 10 fig., *kingi* **sp. n.** p. 11 fig. Carboniferous Texas, JEFFORDS Paleont. Contr. Univ. Kans. Coel. Art. 3 1955.

*Palaeofavosites paulus* p. 30 fig., *alveolaris* p. 31 fig., [SOKOLOV (2)].

*Palaeohalysites gothlandicus* p. 155 fig., *parallelus* p. 155 fig., [KRAEVSKAYA].—*P. anikeevi* p. 30 fig., [SOKOLOV (2)].

*Parastriatopora* p. 32 fig., [SOKOLOV (2)].

*Paratetradium mangaseicum* p. 27 fig., [SOKOLOV (2)].

*Plasmoporella* diagnosed p. 250, *sp.* p. 250 fig., HILL.

*Plasmoporinae* diagnosed p. 250, HILL.

*Pleurodictyum siyangensis* p. 312 fig., FLÜGEL (3).

*Propora* diagnosed p. 250, cf. *hirsuta* p. 250 fig., HILL.

*Pseudoromingeria* p. 185, *kotoi* p. 186 fig., MINATO (1).

*Rhabdotetradium nobile* p. 28 fig., [SOKOLOV (2)].

*Roemeria* *sp.* p. 277 fig., FLÜGEL (2).

*Saffordophyllum* discussed p. 247, HILL.

*Schizocorallia* discussed p. 61, [SOKOLOV (1)].

*Sibiriolites sibiricus* p. 33 fig., [SOKOLOV (2)].

*Squameofavosites bohemicus* p. 198 fig., [KRAEVSKAYA].

*Striatopora kuznetskiana* p. 200 fig., [KRAEVSKAYA].

*Syringophyllidae* diagnosed p. 246, HILL.

*Syringopora ramulosa* p. 300 fig., [FOMITCHEV].—*S. eifeliensis* p. 201 fig., *yavorskyi* p. 201 fig., [KRAEVSKAYA].—



*S. cf. reticulata* p. 186, sp. ind. p. 188 fig., MINATO (1).

Tetradiidae discussed p. 63, [SOKOLOV (1)].

*Tetradium petaliforme* sp. n. p. 242 fig., *tasmaniense* p. 243 fig., *compactum* sp. n. p. 244 fig., *dendroides* sp. n. p. 244 fig., *conjugatum* sp. n. p. 245 fig., cf. *syringoporoides* p. 245 fig., sp. p. 245 fig., Ordovician Tasmania, HILL Proc. roy. Soc. Tasmania 89 1955.

*Thamnopora vermicularis* p. 271, FLÜGEL (2).—*T. cervicornis* p. 199 fig., *alta* p. 199 fig., [KRAEVSKAYA].—*T. ? nipponica* p. 184 fig., *chaetoidea* p. 185 fig., MINATO (1).

*Tollina evemkiana* p. 29 fig., [SOKOLOV (2)].

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†*Acanthastraea* [as *Acanthastrea* (sic)] *hillae* sp. n. p. 15 fig. Subfossil Queensland, WELLS Pap. Dep. Geol. Univ. Qd. N.S. 4 10 1955.

†*Acanthocyclus* p. 6, *porpitoides* p. 4 fig., *fletcheri* p. 6 fig., JEFFORDS.

†*Acanthogyra columnaris* p. 197 fig., *A. ? subcompressa* p. 197, GEYER.

Acontiaria subtribe of Thenaria tribe of the Nynantheae p. 189, HAND (2).

*Acropora formosa*, *implicata*, *variabilis*, *digitifera*, *cymbicyathus*, *surculosa* p. 9, *hyacinthus*, *spicifera*, cf. *pagoensis* p. 10, WELLS.

†*Acropora haindingeri* [sic] p. 378 fig., *pseudo-lavandulina* sp. n. p. 379 fig., *pachymorpha* sp. n. p. 380 fig., Oligocene France, CHEVALIER Bull. Soc. Hist. nat. Toulouse 90 3-4 1955.—*A. formosa*, *implicata*, *variabilis*, *digitifera*, *cymbicyathus*, *surculosa* p. 9, *hyacinthus*, *spicifera*, cf. *pagoensis* p. 10, WELLS.

†*Acrosmitia thurmanni* p. 206, GEYER.—*A.* p. 334, *thurmanni* p. 335 fig., GEYER (1).

†*Actinastraea* [as *Actinastrea* (sic)] p. 319, *crasso-ramosa* p. 320 fig., *matheyi* p. 321, *ramulifera* p. 321 fig., *trichiformis*, *furcata* p. 321, GEYER (1).

*Actinia equina equina* p. 65 fig., *cari* p. 68 fig., PAX & MÜLLER.—*A. equina equina* p. 118, *cari* p. 119, PAX & MÜLLER (1).

Actiniaria p. 355, HAND.

Actiniarian sp. p. 103, CARLGREN.

Actiniidae p. 38, HAND (1).

*Actinothoe clavata* p. 80, PAX & MÜLLER.

*Adamsia palliata* p. 79 fig., PAX & MÜLLER.

*Aiptasia mutabilis* p. 75 fig., *diaphana* p. 76, PAX & MÜLLER.—*A. couchii* p. 119, *diaphana* p. 120, PAX & MÜLLER (1).

*Aiptasiomorpha* a synonym of *Diadumene* p. 223, HAND (2).

†*Akiyosiphillum* p. 167, *stylophorum* p. 167 fig., MINATO (1).

†*Alveopora polyacantha* p. 69 fig., OSBERGER (1).

*Amphianthus* [as *Amphiantus* (sic)] *dohrnii* p. 121, PAX & MÜLLER (1).

†*Amphiastraea* [as *Amphiastrea* (sic)] *basaltiformis* p. 187 fig., GEYER.—*A.* [as *Amphiastrea* (sic)] *piriformis* p. 326, GEYER (1).

†*Amphiastraeida* [as *Amphiastreida* (sic)] p. 187, GEYER.

†*Amphiastracinae* [as *Amphiastreinae* (sic)] p. 187, GEYER.

†*Amphiaulastrea* (sic) gen. n. (fam. *Amphiastracidae*) p. 188, type sp. (by original designation) *Aulastraea conferta* p. 188 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

†*Amplexus nipponensis* p. 69 fig., sp. b p. 70 fig., MINATO (1).

†*Amygdalophyllum naosoidea* p. 145 fig., *A. ? gracile* p. 146, *A. setamaiensis* p. 147 fig., sp. a p. 147 fig., sp. b p. 148 fig., *giganteum* p. 149 fig., MINATO (1).

*Andresia partenopea* p. 64, PAX & MÜLLER.

*Anemonia sulcata* p. 69 fig., *cinerea* a sp. of *Paranemonia* p. 71, PAX & MÜLLER.—*A. sulcata* p. 119, PAX & MÜLLER (1).

†*Anisocoenia crassisepta* p. 60 fig., OSBERGER (1).

*Anthopleura* p. 46, *xanthogrammica* p. 48 fig., *elegantissima* p. 54 fig., *artemisia* p. 61 fig., HAND (1).—*A. ballii* p. 73, PAX & MÜLLER.

†*Antillia* p. 51, sp. p. 53 fig., sp. ? (sic) p. 54, OSBERGER (1).—*A. miocenica* sp. n. p. 188 Miocene India, SAHNI & SASTRY Curr. Sci. 24 6 1955.

*Antipathes subpinnata* p. 103 fig.  
*myriophylla* p. 105 fig., *dichotoma dichotoma* p. 106 fig., *virgata* p. 106 fig.,  
*glaberrima* p. 107, *ericoides* p. 107 fig.,  
*reticulata* p. 108, PAX & MÜLLER (1).

†*Aplosmiliinae* **subfam. n.** (of  
*Rhipidogyridae*) p. 196, GEYER Paläont.  
 Z. 29 3–4 1955.

*Arachnactis albida* p. 1 fig., LELOUP.

†*Arachnolasma* see *Lophophyllum*.

†*Archaeoseris thamnastroides* a sp. of  
*Latimaeandra* p. 679, ALLOITEAU (1).

†*Arcophyllum* pp. 43, 78, *typus*  
 p. 79 fig., *markovi* p. 79 fig., [SOSHKINA  
 (1)].

†*Aspidiscus sinaiticus* p. 154 fig.,  
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†*Astraea fröhlichiana* p. 116 fig.,  
 ZBYSZEWSKI.

*Astraeopora* [as *Astreopora* (sic)] *incr-*  
*rustans* p. 10, WELLS.

†*Astraeopora* [as *Astreopora* (sic)]  
*incrustans* p. 10, WELLS.

*Astrangia woodsi* **sp. n.** p. 15 fig.  
 Queensland, WELLS Pap. Dep. Geol.  
 Univ. Qd. N.S. 4 10 1955.

†*Astrangia woodsi* **sp. n.** p. 15 Sub-  
 fossil Queensland, WELLS Pap. Dep.  
 Geol. Univ. Qd. N.S. 4 10 1955.

†*Astrocoeniinae* p. 319, GEYER (1).

†*Astrophyllum* pp. 47, 82, *irgislense*  
 p. 83 fig., *philocrinum* p. 83 fig., [SOSHKINA  
 (1)].

Athenaria tribe of the Nynantheae p.  
 358, HAND.

†*Aulacophyllidae* **fam. n.** p. 34,  
 [SOSHKINA] Trav. Inst. palaeont. Acad.  
 Sci. U.R.S.S. 34 1951.—*A.* pp. 32, 34,  
 44, 67, [SOSHKINA (1)].

†*Aulacophyllum* pp. 44, 67, *originatum*  
 p. 67 fig., *armenicum* **sp. n.** p. 68 fig.  
 Devonian Armenia, *septatum* p. 68 fig.,  
*murale* **sp. n.** p. 68 fig. Devonian  
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 fig. Devonian Russian Platform, *mini-*  
*arense* p. 69 fig., *vesiculatum* p. 69 fig.,  
 [SOSHKINA] Trav. Inst. palaeont. Acad.  
 Sci. U.R.S.S. 39 1952.—*A.* p. 23,  
*vesiculatum* p. 24 fig., *ornatum* p. 27 fig.,  
*murale* p. 30 fig., [SOSHKINA (3)].

†*Aulastraea* [as *Aulastrea* (sic)] p.  
 189, *conferta* the type sp. of *Amphiaulas-*  
*trea* (sic) p. 188, GEYER.

*Aureliania heterocera* p. 74 fig., PAX &  
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†*Axocyathus punctatus* p. 115 fig.,  
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†*Axophyllum gracile* a sp. of *Amyg-*  
*dalophyllum* p. 146, MINATO (1).

†*Axosmilia cylindrica* p. 191 fig.,  
*infundibuliformis* p. 192, GEYER.—  
*A. crassa, corallina* p. 326, *carapateirensis*  
 p. 327, GEYER (1).

†*Axosmiliidae* **fam. n.** p. 191,  
 GEYER Paläont. Z. 29 3–4 1955.

*Balanophyllia verrucaria* p. 87, PAX &  
 MÜLLER.

†*Balanophyllia soloensis* **sp. n.** p. 255  
 fig. Pliocene Java, OSBERGER N.  
 Jahrb. Geol. Paläont. Monats. 1955  
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†*Barrandeophyllum* p. 27, *perplexum* p.  
 28 fig., [SOSHKINA].—*B.* pp. 45, 65,  
*perplexum* p. 65 fig., [SOSHKINA (1)].

†*Baryphyllum* pp. 10, 12, *ovale*,  
*pedunculatum, tennesseense* p. 12, *verneuili-*  
*anum* p. 13 fig., JEFFORDS.

†*Bathycyathus matheroni* **sp. n.** p. 396  
 fig. Oligocene France, CHEVALIER  
 Bull. Soc. Hist. nat. Toulouse 90 3–4  
 1955.

†*Bojocyclus* p. 10, *bohemicus* pp. 8, 10  
 fig., JEFFORDS.

†*Brachyelasma* (*Dybowskia*) *sibiricum*  
**sp. n.** p. 22 fig. Silurian Siberia,  
 [NIKOLAEVA] in [Nikiforova Field  
 Atlas Ord. and Sil. Fauna of the  
 Siberian Platform] 1955.

*Bunodactis verrucosa, rubripunctata* p.  
 72, PAX & MÜLLER.

*Cactosoma* p. 367, *arenaria* p. 368 fig.,  
 HAND.

†*Calamophyllia compressa* p. 252 fig.,  
 ATANASIU & SEMAKA.—*C. cervina, crassa*  
 p. 331, GEYER (1).—*C. marksi* p. 207  
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 fig. Younger Tertiary Java, OSBERGER  
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 1955.—*C. miocenica* **sp. n.** p. 188 Mio-  
 cene India, SAHNI & SASTRY Curr. Sci.  
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†*Calamophylliidae* p. 330, GEYER  
 (1).

†*Calamoseris disputabilis* p. 204 fig.,  
 GEYER.—*C. flabellum, simplex, variabilis*  
 p. 332, GEYER (1).

†*Calceola sandalina* var. *acuminata* p. 208 fig., [KRAEVSKAYA].—*C.* pp. 45, 72, *sandalina westfalica* p. 73 fig., *sandalina sandalina* p. 73 fig., *sandalina acuminata* p. 73 fig., [SOSHKINA (1)].

*Calliactis parasitica* p. 77 fig., PAX & MÜLLER.—*C. parasitica* p. 120, PAX & MÜLLER (1).

†Campophyllidae discussed p. 44, [SOSHKINA].—*C.* pp. 34, 46, 87, [SOSHKINA (1)].

†*Campophyllum* ? sp. ind. p. 174, MINATO (1).—*C.* p. 50, *soeticum* p. 50 fig., *boreale* **sp. n.** p. 51 fig. Devonian Urals, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*C.* pp. 46, 88, *boreale* p. 88 fig., *soeticum* p. 88 fig., *litvinovitschae* p. 89 fig., [SOSHKINA (1)].

†*Caninia cylindrica* p. 301 fig., *ussovi* p. 302 fig., [FOMITCHEV].—*C. juddi* var. *ozawai* **var. n.** p. 230 fig. Carboniferous Japan, MINATO J. Sigenk. Kenk. 1 2 1943.—*C. juddi* var. *ozawai* p. 70 fig., MINATO (1).

†*Carcinophyllum onukii* **sp. n.** p. 140 fig. Carboniferous Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.—*C. cristatum* the type sp. of *Wannero-phyllum* p. 159, SCHOUPPE & STACUL.

*Caryophyllia cyathus* p. 86, PAX & MÜLLER.

†*Caryophyllia antonibensis* p. 113 fig., *arcotensis*, *cupuliformis* p. 114, cf. *laevigata* p. 115, RONCHETTI.—*C. calcitrapa* p. 246 fig. (Conspectus p. 85), *kongieli* **sp. n.** p. 251 fig. (Conspectus p. 87) Lower Eocene Poland, RÓZKOWSKA Acta geol. polon. 5 2 1955.

*Caryophylliida* p. 328, GEYER (1).

†*Caryosmilia granosa* p. 119 fig., RONCHETTI.

†*Ceratophyllia* p. 49, *javana* **sp. n.** p. 50 fig. Younger Tertiary Java, *cristata* ? p. 51 fig., OSBERGER Neues Jb. Geol. Paläont. Abh. 101 1 1955.—*C. javana* p. 207 fig., OSBERGER.

†*Ceratotrochus punctatus* is a sp. of *Axocyathus* p. 115, RONCHETTI.

*Cereus pedunculatus* p. 82 fig., PAX & MÜLLER.—*C. pedunculatus* p. 122, PAX & MÜLLER (1).

*Cerianthus* ? *borealis* p. 122, MACGINITIE.—*C. membranaceus* p. 59, PAX & MÜLLER.—*C. membranaceus* p. 110, PAX & MÜLLER (1).

†*Charactophyllum* p. 68, *antiquum* p. 68 fig., *lateseptatum* **sp. n.** p. 69 fig. Devonian Urals, *elongatum* p. 71 fig., *spongiosum* p. 71 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*C.* pp. 46, 90, *antiquum* p. 91 fig., *spongiosum* p. 91 fig., *lateseptatum* p. 91 fig., *elongatum* p. 91 fig., [SOSHKINA (1)].

*Cladocora cespitosa* p. 84 fig., PAX & MÜLLER.

†*Cladocora prevostana* p. 42, CHAPUT.

†*Cladophyllia dichotoma* p. 325, GEYER (1).

†*Clisaxophyllum ofukensis* p. 136 fig., *awa* p. 137 fig., MINATO (1).

†Clisiophyllidae discussed p. 94, MINATO (1).

†*Coccophyllum* sp. p. 181, KOLOSVÁRY (1).

†*Coelocoenia vacua* p. 47, *torulosa* p. 48, OSBERGER (1).

†*Coelosmilia laxa* p. 103 fig., RONCHETTI.

*Coenocyathus anthophyllites* p. 86, PAX & MÜLLER.

†*Columactinastraea* [as *Columactinas-trea* (sic)] *favulus* p. 182 fig., GEYER.

†*Columnnaphyllia* **gen. n.** (fam. Axosmiliidae) p. 192, type sp. (by original designation) *tithonica* **sp. n.** p. 192 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

†*Columnnaria* p. 86, *junkerbergiana* p. 87 fig., *cacotropia* p. 88 fig., **spp. n.** Devonian Germany, GLINSKI Senckenbergiana Lethaea 36 1-2 1955.—*C. vulgaris* p. 216 fig., *rhenana* p. 216 fig., [KRAEVSKAYA].—*C.* pp. 45, 91, *massivum* p. 92 fig., *minor* p. 92 fig., *vulgaris* p. 92 fig., *floriformis* p. 92 fig., *symbiotica* p. 92 fig., [SOSHKINA (1)].

†*Columnnariacea* discussed p. 91, [SOSHKINA].

†*Columnnariidae* pp. 33, 45, 91, [SOSHKINA (1)].



- †*Combophyllum* pp. 10, 14, *osismorum* p. 10 fig., JEFFORDS.
- †*Comophyllia corrugata* p. 678 fig., *thamnastroides* p. 679, ALLOTEAU (1).—*C. meandrinoides* p. 333 fig., GEYER (1).
- †*Comoseris meandrinoides* p. 335, *kobyi* **sp. n.** p. 335 fig. Jurassic Portugal, GEYER Senckenbergiana Lethaea 35 5-6 1955.—*C. javana* a sp. of *Pachyseris* p. 254, OSBERGER (2).
- Condylactis aurantiaca* p. 64 fig., PAX & MÜLLER.
- †*Confusastraraea djunggranganensis* p. 206 fig., OSBERGER.
- †*Conophyllia* sp. p. 181, *recondita pannonica* **subsp. n.** p. 182 Triassic Hungary, KOLOSVÁRY Acta biol. Szeged N.S. 1 1-4 1955.
- †*Convexastraea* [as *Convexastrea* (sic)] *minima*, *pustulosa* p. 324, *lobata* p. 325, *abadiensis* **sp. n.** p. 325 fig. Jurassic Portugal, GEYER Senckenbergiana Lethaea 35 5-6 1955.
- Corallimorphidae p. 348, HAND.
- †*Corwenia hasimotoi* a sp. of *Huangia* p. 123, *C. ? omiensis* p. 129 fig., MINATO (1).
- Corynactis* p. 348, *californica* p. 349 fig., HAND.
- Coscinaraea columna* p. 11, WELLS.
- †*Coscinaraea columna* p. 11, WELLS.
- ?*Craspedophyllia* sp. p. 181, KOLOSVÁRY (1).
- †*Cryptocoenia picteti* p. 251 fig., ATANASIU & SEMAKA.
- Culicia tenella* p. 14, *verreauxi* p. 15, WELLS.
- †*Cumminsia* p. 8, *aplata* pp. 6, 8 fig., JEFFORDS.—*C.* p. 4, *C. ? sp. A* p. 5 fig., JEFFORDS (1).
- †*Cyathacyis* nom. nud. p. 94, [SOSHKINA (4)].
- †*Cyathophora globosa* p. 186, *pironae* p. 186, GEYER.
- †*Cyathophylloid coral* gen. et sp. ind. p. 174 fig., MINATO (1).
- †*Cyathophyllum* sp. ind. p. 238 fig., MINATO.—*C.* sp. ind. p. 174 fig., MINATO (1).
- Cycloseris cyclolites* p. 11, WELLS.
- Cyphastraea* [as *Cyphastrea* (sic)] *serailia*, *microphthalma* p. 14, WELLS.
- †*Cyphastraea gerthi* p. 206 fig., OSBERGER.—*C. rembangensis*, *tubifera* p. 56, *progoensis*, *gemmaefera*, sp. p. 57, OSBERGER (1).—*C.* [as *Cyphastrea* (sic)] *serailia*, *microphthalma* p. 14, WELLS.
- †*Cystiphyllidae* pp. 32, 42, 75, [SOSHKINA (1)].
- †*Cystophora manchurica* forma *kikkawai* p. 92 fig., MINATO (1).
- †*Deltocyathus staszici* **sp. n.** p. 243 fig. (Conspectus p. 84), RÓZKOWSKA Acta geol. polon. 5 2 1955.
- †*Dendracis mamillosa* p. 381 fig., CHEVALIER (1).
- †*Dendrohelix coalescens* p. 185 fig., GEYER.
- †*Depasophyllum* p. 80, aff. *gracile* p. 84, MINATO (1).
- †*Dermoseris delgadoi*, *diceratina* p. 335, GEYER (1).
- †*Dermosmilia glomerata*, *laxata*, *rugosa* p. 202, GEYER.—*D. glomerata* p. 331, GEYER (1).
- Diadumene* p. 222, *leucolena* p. 223 fig., *franciscana* **sp. n.** p. 230 fig. Central California, *lighti* **sp. n.** p. 237 fig. Central California, HAND Wasmann J. Biol. 13 2 1955.—*D. luciae* p. 74 fig., PAX & MÜLLER.
- Diadumenidae p. 222, HAND (2).
- †*Dialythophyllum* pp. 43, 82, *burhenni* p. 82, *complicatum* p. 82 fig., *vilvense* p. 82 fig., [SOSHKINA (1)].
- †*Dibunophyllum bristolense* p. 222 fig., cf. *bristolense* p. 224 fig., *yüi* **sp. n.** p. 224 fig., *inugasirayamaensis* **sp. n.** p. 225 fig., sp. *a* p. 226 fig., sp. *b* p. 226 fig., Carboniferous Japan, MINATO J. Sigenk. Kenk. 1 2 1943.—*D.* cf. *kankouense* p. 96 fig., *bristolense* p. 97 fig., *inugasirayamaensis* p. 98 fig., *asiaticum* **nom. n.** for *vaughani* Yü non Garwood & Goodyear p. 98 fig. Carboniferous China and Japan, sp. ind. p. 100 fig., *rugosum* var. *ofukensis* a sp. of *Clisaxophyllum* p. 136, sp. *b* Minato is a sp. of *Amygdalophyllum* p. 148, MINATO J. Fac. Sci. Hokkaido 4 9 2 1955.
- †*Dictyaraea elegans* p. 403 fig., var. *clinactima* p. 404 fig., *garauxi* **sp. n.** p. 404 fig., *gaasensis* **sp. n.** p. 405 fig., *poritoides* **sp. n.** p. 406 fig., Oligocene France, CHEVALIER Bull. Soc. Hist. nat. Toulouse 90 3-4 1955.—*D. micrantha spinosa* p. 68 fig., OSBERGER (1).

†*Digonophyllum* pp. 43, 80, *schulzi* p. 80 fig., *bilaterale* p. 80 fig., [SOSHKINA (1)].

†*Dimorphastraea* [as *Dimorphastrea* (sic)] *conica*, *dubia* p. 208, GEYER.

†*Diphyphyllum* p. 80, *equisetatum* p. 81 fig., *platiforme* var. *kakisakoense* p. 83 fig., *flexuosum* p. 83 fig., MINATO (1).—*D. minus* is a sp. of *Peneckiella* p. 106, [SOSHKINA].

†*Diploastraea reussii* **sp. n.** p. 252 fig. Oligocene Java, OSBERGER N. Jahrb. Geol. Paläont. Monats. 1955 B6.

†*Diplocoenia profunda* p. 194, *multisepta* p. 194, GEYER.

†*Dipterophyllum* p. 10, *glans* p. 10 fig., JEFFORDS.

†*Disphyllum densum* a junior synonym of *Schlüteria fascicularis* p. 94 [SOSHKINA].—*D. sp.* p. 358 fig., YABE & SUZUKI.

†*Donia* **gen. n.** (fam. Peneckiellidae) p. 114, type sp. (by original designation) *russiensis* **sp. n.** p. 114 fig. Devonian Orlovskaya Province, Russia, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*D.* pp. 46, 106, *russiensis* p. 106 fig., [SOSHKINA (1)].—*D.* p. 42, *russiensis* p. 42 fig., [SOSHKINA (3)].

†*Dorlodotia* sp. ind. p. 237 fig., MINATO.—*D.* discussed pp. 85, 86, *D. ?* sp. ind. p. 91 fig., MINATO (1).

†*Dungulia milneri* p. 121 fig., RONCHETTI.

†*Dybowskia* see *Brachyelasma*.

†*Echinophyllia robusta* p. 59, OSBERGER (1).

†*Echinopora gracilis* p. 206 fig., OSBERGER.—*E. gracilis* **sp. n.** p. 64 fig. Younger Tertiary Java, OSBERGER Neues Jb. Geol. Paläont. Abh. 101 1 1955.

*Edwardsia callimorpha* p. 62, PAX & MÜLLER.

†*Enallhelia striata* p. 187 fig., GEYER.—*E. tubulosa* p. 326, GEYER (1).

Endomyaria subtribe of *Thenaria* tribe of the *Nynantheae* p. 38, HAND (1).

†Endophyllidae pp. 34, 44, 69, [SOSHKINA (1)].

†*Endophyllum abditum* p. 228 fig., *macconnelli* p. 228 fig., [IVANIA].—*E.* pp. 44, 69, [SOSHKINA (1)].

†*Eolithostrotonella* see *Lithostroton*.

*Epiactis* p. 39, *prolifera* p. 39 fig., HAND (1).

*Epismilia* sp. p. 253 fig., ATANASIU & SEMAKA.

†*Epistreptophyllum commune* p. 202, *tithonicum* **sp. n.** p. 203 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.—*E. montis*, *typicum* p. 332, GEYER (1).

*Epizoanthus arenaceus ingeborgae* p. 61 fig., *tergestinus* p. 62, PAX & MÜLLER.—*E. arenaceus ingeborgae* p. 112, *fatuus* p. 113, PAX & MÜLLER (1).

†*Eupsammia pożaryskii* **sp. n.** p. 257 fig. (Conspectus p. 89) Lower Eocene Poland, RÓŻKOWSKA Acta geol. polon. 5 2 1955.

*Evactis* a synonym of *Anthopleura* p. 46, HAND (1).

†*Evenkiella* nom. nud., *helenae* nom. nud. p. 94, [SOSHKINA (4)].

†*Fasciphyllum petshoreense* p. 215 fig., [KRAEVSKAYA].—*F.* pp. 47, 97, *semi-septatum* p. 97 fig., *medianum* p. 97 fig., *halliaforme* p. 97 fig., *petshoreense* p. 97 fig., *platiforme* p. 98 fig., *conglomeratum* p. 98 fig., *orientale* p. 98 fig., *cylindricum* **sp. n.** p. 98 fig. Devonian Urals, *prismaticum* p. 98 fig., *schlüteri* p. 98 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.

*Favia speciosa* p. 12 fig., *stelligera* p. 12 fig., WELLS.

†*Favia pentalofoensis* **sp. n.** p. 198 fig. Miocene Greece, CHEVALIER Bull. Soc. géol. Fr. 6 5 1-3 1955.—*F. speciosa* p. 63 fig., OSBERGER (1).—*F. speciosa, stelligera* p. 12, WELLS.

Faviida p. 329, GEYER (1).

\**Favistella dybowski* nom. nud. p. 94, [SOSHKINA (4)].

*Favites abdita* p. 13 fig., *halicora*, *spectabilis* p. 13, WELLS.

†*Favites oligocenica* **sp. n.** p. 197 fig. Oligocene Greece, CHEVALIER Bull. Soc. géol. Fr. 6 5 1-3 1955.—*F. tenera* p. 389 fig., CHEVALIER (1).—*F. virens* p. 62, OSBERGER (1).—*F. abdita, halicora* p. 13, WELLS.

†*Favitopsis* **gen. n.** (fam. Faviidae) p. 674, type sp. (by monotypy) *harrensis* **sp. n.** p. 675 fig. Jurassic Arabia, ALLOITEAU Bull. Soc. géol. Fr. 6 4 7-9 1955.

†*Fletcheria* discussed p. 261, LANG, SMITH & THOMAS.

†*Fletcherina* **nom. n.** for *Tabeia* Lang, Smith & Thomas non Resser & Endo p. 261, type sp. (by original designation) *Cylindrophyllum simplex* p. 261 Devonian China, LANG, SMITH & THOMAS Geol. Mag. 92 3 1955.

†Geyerophyllidae **fam. n.** p. 155 Lower Carboniferous to Permian, MINATO J. Fac. Sci. Hokkaido Univ. 4 9 2 1955.

†*Geyerophyllum* discussed p. 157, *hunabuseum* **sp. n.** p. 158 fig. Permian Japan, *gerthi* p. 159 fig., MINATO J. Fac. Sci. Hokkaido Univ. 4 9 2 1955.

†*Glossophyllum* p. 44, *altissimum* **sp. n.** p. 45 fig. Devonian Urals, *discoideum* p. 47 fig., *parvum* p. 47 fig., *primitivum* p. 48 fig., *dohmi* p. 49, *salmense* p. 49 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—G. pp. 46, 87, *latiseptatum* p. 87, *altissimum* p. 87 fig., *discoideum* p. 87 fig., *salmense* p. 87 fig., *dohmi* p. 88 fig., *primitivum* p. 88 fig., [SOSHKINA (1)].

†*Goniocora socialis* p. 198, GEYER.

*Goniopora lobata* p. 11, *stutchburyi* **sp. n.** p. 11 fig. Queensland, WELLS Pap. Dep. Geol. Univ. Qd. N.S. 4 10 1955.

†*Goniopora affinis* p. 67 fig., OSBERGER (1).—*G. lobata* p. 11, *stutchburyi* **sp. n.** p. 11 fig. Subfossil Queensland, WELLS Pap. Dep. Geol. Univ. Qd. N.S. 4 10 1955.

†*Grypophyllum gracile* p. 209 fig., *pestereviensis* **sp. n.** p. 209 fig. Devonian W. Siberia, *fasciculum* **sp. n.** p. 210 fig. Devonian W. Siberia, [KRAEVSKAYA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955 [see p. 192 for authorship of spp. n.].—G. pp. 47, 48, 95, *tenuis* p. 95, *gorskyi* p. 95 fig., *carinatum* p. 96 fig., *striatum* p. 96 fig., *isactis* p. 96 fig., *cynacanthinum* p. 96 fig., *gracile* p. 96 fig., [SOSHKINA (1)].—G. p. 48, *isactis* p. 48 fig., [SOSHKINA (3)].

†*Gymnophyllum* pp. 10, 13, *wardi* p. 14 fig., JEFFORDS.

†*Hadrophyllum* p. 8, *ovale* p. 8 fig., *orbigny* p. 8 fig., *pedunculatum* and *tennesseense* are spp. of *Baryphyllum* pp. 6, 12 fig., *H. ? romingeri* p. 6 fig., *pauciradiatum* p. 6 fig., *bifidum* p. 6 fig., *nauwoense* p. 6 fig., *delicatum* p. 6 fig., JEFFORDS.

*Halcampa* p. 359, *decemtentaculata* **sp. n.** p. 360 fig. Central California, HAND Wasmann J. Biol. 12 3 1954.—*H. duodecimcirrata* p. 122, MACGINITIE.

Halcampidae p. 359, HAND.

*Haliplanella* **gen. n.** (fam. Haliplanellidae) p. 210, type sp. (by monotypy) *Sagartia luciae* p. 211 fig. Connecticut, etc., HAND Wasmann J. Biol. 13 2 1955.

Haliplanellidae **fam. n.** p. 210, HAND Wasmann J. Biol. 13 2 1955.

†*Haplaraea* [as *Haplarea* (sic)] p. 208, *columnaris* p. 209 fig., GEYER.

†*Heliastrea bainbridgensis* var. *kastoriae* **var. n.** p. 199 fig. Miocene Greece, CHEVALIER Bull. Soc. géol. Fr. 6 5 1-3 1955.—*H. cf. ellisiana* p. 115, *reussi* p. 115 fig., ZBYSEWSKI.

†*Heliophyllum* discussed, *aiense* p. 73, [SOSHKINA].—*H.* pp. 46, 90, *halli* p. 90 fig., *aiense* p. 90 fig., [SOSHKINA (1)].

†*Heritschia chitralica* p. 307 fig., *parachishiaensis* p. 308 fig., cf. *parachishiaensis* p. 309, sp. p. 310, *H. ?* sp. p. 310 fig., FLÜGEL (3).

†*Heterophyllia* [as *Hetrophyllia* (sic)] *kitakamiensis* p. 177 fig., MINATO (1).

†*Hexagonaria prisma* p. 67 fig., CARMAN.—*H.* p. 90, *pachythea* **sp. n.** p. 90 fig., *rohrensensis* **sp. n.** p. 93 fig., subsp. *brevisepta* **subsp. n.** p. 95 fig., *parallaxa* **sp. n.** p. 96 fig., *philomena* **sp. n.** p. 98 fig., *quadrigemina* p. 100 fig., *amanshauseri* **sp. n.** p. 105 fig., Devonian Germany, GLINSKI Senckenbergiana Lethaea 36 1-2 1955.

†*Hexaphyllum elegans* p. 175 fig., *japonica* p. 176 fig., sp. ind. p. 176 fig., MINATO (1).

*Hormathia coronata* p. 120, PAX & MÜLLER (1).

Hormathiid species p. 102 fig., CARLGREN.



†*Huangia* discussed p. 122, *hasimotoi* p. 123 fig., *H. ?* sp. p. 125 fig., MINATO (1).

*Hydnophora exesa* p. 14, WELLS.

†*Hydnophora exesa* p. 14, WELLS.

†*Hydnophyllia* [as *Hyanophyllia* (sic)] *rothpletzi* p. 206 fig., OSBERGER.

*Ilyanthus mitchellii* p. 63 fig., PAX & MÜLLER.

†*Indosmilia* cf. *bantamensis* p. 46, OSBERGER (1).

†*Iranophyllum permicum* **sp. n.** p. 115 fig. Permian Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

*Isanthidae* p. 87, HAND (1).

†*Isastraea favulus* a sp. of *Columactinastraea* p. 182, GEYER.—*I. ex gr. austriaca* p. 231 fig., [MOISEEV].

†*Isastrocaenia* sp. p. 676 fig., ALLOITEAU (1).

†*Keriophylloides* **gen. n.** (fam. Peneck-iellidae) p. 102, type sp. (by original designation *Keriophyllum astreiforme* p. 102 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*K.* pp. 45, 102, *astreiformis* p. 102 fig., [SOSHKINA (1)]).

†*Keriophyllum astreiforme* the type sp. of *Keriophylloides* p. 102, [SOSHKINA].

†*Khmeria problematica* p. 178 fig., MINATO (1).

†*Kodonophyllacea* discussed p. 44, [SOSHKINA].

†*Kodonophyllidae* pp. 33, 45, 72, [SOSHKINA (1)].

†*Kodonophyllum milne edwardsi* p. 81 fig., [SOSHKINA (2)].

†*Kologyra kühni* **sp. n.** p. 196 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.—*K. aldingeri* **sp. n.** p. 329 fig. Jurassic Portugal, GEYER Senckenbergiana Lethaea 35 5-6 1955.

†*Kueichouphyllum* p. 170, *latifossulatum* p. 170 fig., *yabei* p. 172 fig., *kesenense* **sp. n.** (= *yabei* var. *a*) p. 172 fig., *yahagiense* **sp. n.** p. 172 fig., Carboniferous Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Latimaeandra corrugata* a sp. o *Comophyllia* p. 678, ALLOITEAU (1).—*L.* [as *Latomeandra* (sic)] *dubia* p. 203, GEYER.

†*Latiphyllia dimorphastreoides* **sp. n.** p. 200 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

†*Leonardophyllum ?* sp. p. 127 fig., MINATO (1).

†*Leptoseris sibolongensis* p. 206 fig., OSBERGER.

†*Lindströmia* pp. 44, 64, [SOSHKINA (1)].

†*Lindströmiidae* discussed p. 23, [SOSHKINA].—*L.* pp. 33, 44, 64, [SOSHKINA (1)].

†*Lingulosmilia* p. 327, *emarginata* p. 327, GEYER (1).

†*Lithophyllia spinosa* p. 51, OSBERGER. (1).

†*Lithostrotion* [*Eolithostrotionella*] *sibiricum* p. 303 fig., *L. irregulare* var. *balachonkaensis* **var. n.** p. 304 fig Carboniferous W. Siberia, [FOMITCHEV] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955.—*L. somaense* p. 77 fig., *hinozuchiense* **sp. n.** p. 78 fig. Carboniferous Japan, sp. p. 79, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Lithostrotionella* discussed pp. 85, 86, sp. ind. p. 87 fig., *kitakamiensis* **sp. n.** p. 88 fig. Carboniferous Japan, cf. *tingi* p. 89, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

*Lobophyllia corymbosa* p. 15, WELLS.

†*Lobophyllia corymbosa* p. 15, WELLS.

†“*Lonsdaleia*” *katoi* p. 128 fig., MINATO (1).

†*Lonsdaleiastraea nipponica* **sp. n.** p. 134 fig. Permian Japan, *yamanbaensis* p. 135 fig., MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Lonsdaleoides* discussed p. 162, *enormis* p. 164 fig., *toriyamai* **sp. n.** p. 165 fig. Carboniferous Japan, *boswelli* p. 166 fig., MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Lophocarinoephyllum acanthiseptum* p. 180 fig., MONTANARO-GALLITELLI (1).

†*Lopholasma* pp. 44, 64, *carinatum* p. 65 fig., [SOSHKINA (1)].

†*Lophophyllidiidae* p. 178, SCHOUPE & STACUL.

†*Lophophyllidium suetomii* **sp. n.** p. 151 fig. Permian Japan, *sp. a* p. 153 fig., *sp. b* p. 154 fig., *sp. c* p. 154 fig., *sp. d* p. 155 fig., MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.—*L. p.* 178, *spinatum* p. 182 fig., *elongatum* p. 186 fig., *martini* **sp. n.** p. 187 fig., *gracile* **sp. n.** p. 188 fig., *parvum* **sp. n.** p. 189 fig., Permian Timor, SCHOUPPE & STACUL Palaeontographica Suppl. 4 5 3 1955.

†*Lophophyllum* discussed p. 401, *konincki* p. 406 fig., *dumonti* p. 410 fig., "*L.*" *tortuosum* p. 411 fig., LECOMPTE.—*L. (Arachnolasma)* cf. *sinense* p. 141 fig., *sp.* Onuki is a *sp.* of *Amygdalophyllum*, MINATO (1).

†*Louvencipora* see Hydrozoa.

†*Loyolophyllum urens* **sp. n.** p. 217 fig. Devonian W. Siberia, [KRAEVSKAYA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955 [see p. 192 for authorship of *sp. n.*].—*L.* pp. 47, 96, *cresswelli* p. 96, *cerioides* p. 96 fig., [SOSHKINA (1)].

†*Lythophyllum* pp. 43, 81, *divisum* p. 81 fig., *striatum* p. 81 fig., *tabulatum* p. 81 fig., [SOSHKINA (1)].

†*Macgeea (Thamnophyllum) hörnesi* *hörnesi* ? p. 267, FLÜGEL (2).—*M.* discussed p. 80, *multizonata* p. 80 fig., *solitaria* p. 82 fig., [SOSHKINA].—*M.* pp. 42, 83, *caucasica* **sp. n.** p. 84 fig. Devonian Armenia, *araxis* p. 84 fig., *murchisoni* p. 84 fig., *solitaria* p. 84 fig., *berdensis* p. 84 fig., *multizonata* p. 84 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*M.* p. 67, *multizonata* p. 68 fig., [SOSHKINA (3)].

*Madrepora gemmascens* discussed p. 29, BOSCHMA.—*M. oculata* p. 86, PAX & MÜLLER.

†*Madrepora duncani* p. 68 fig., OSBERGER (1).—*M. lavandula* p. 116 fig., ZBYSZEWSKI.

†*Maeandraraea* [as *Meandraraea* (sic)] *gresslyi* p. 336, GEYER (1).

†*Maeandrina* *sp.* p. 55, OSBERGER (1).

†*Margarastraea* *sp. ind.* p. 232 fig., [MOISEEV].

†*Margarosmilium zieteni* p. 181, KOLOS-VÁRY (1).

†*Mazaphyllum* **gen. n.** (order Cystiphyllina) p. 1052, type *sp.* (by original designation) *cortisjonesi* **sp. n.** p. 1053 fig. Silurian New South Wales, CROOK J. Paleont. 29 6 1955.

†*Megaphyllum paschiense* p. 220 fig., [IVANIA].—*M.* p. 108, *paschiense* p. 109 fig., *caespitosum* p. 110 fig., [SOSHKINA].—*M.* pp. 46, 104, *columellare* **sp. n.** p. 104 fig. Devonian Russian Platform, *arcticum* p. 104 fig., *juresanense* p. 105 fig., *paschiense* p. 105 fig., *caespitosum* p. 105 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*M.* p. 36, *arcticum* p. 37 fig., *bulvankerae* **nom. n.** for *Prismatophyllum hexagonum* Bulvanker p. 38 fig. Devonian Lenin-gradskaya Province, Russia, *columellare* p. 40 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 52 1954.

†*Meniscophyllum longiseptata* **sp. n.** p. 69 fig. Carboniferous Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

Mesomyaria subtribe of Thenaria tribe of the Nynantheae p. 87, HAND (1).

Metridiidae p. 190, HAND (2).

*Metridium* p. 191, *senile fimbriatum* **comb. n.** p. 192 fig., *senile senile* p. 203, *exilis* **sp. n.** p. 206 fig. Central California, HAND Wasmann J. Biol. 13 2 1955.—*M. senile senile* p. 76 fig., PAX & MÜLLER.—*M. senile marginatum* p. 120, PAX & MÜLLER (1).

*Microcyathus Döderlein* non Hinde renamed *Šoljania* p. 75, PAX.

†*Microcyclus* p. 10, *discus* pp. 8, 10 fig., *intermedius* p. 8 fig., *blairi* p. 8 fig., *leonensis* p. 8 fig., *thedfordensis* p. 8 fig., *lyrulatus* p. 8 fig., JEFFORDS.—*M. blairi* p. 3 fig., JEFFORDS (1).

†*Microphyllastraea* **gen. n.** (fam. Montlivaltiidae) p. 676, type *sp.* (by original designation) *karrenbergi* **sp. n.** p. 676 fig. Jurassic Arabia, ALLOITEAU Bull. Soc. géol. Fr. 6 4 7-9 1955.

†*Microphyllia bachmayeri* **sp. n.** p. 205 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

†*Microsmilia oppeli* p. 193 fig., *fascicularis* **sp. n.** p. 194 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

†*Microsolena corticata* p. 209, *fascicularis*, cf. *bouri* p. 210, GEYER.

†*Mictophyllum* discussed p. 64, *modicum* a sp. of *Neostrophophyllum* p. 58, [SOSHKINA].

†*Mitrodendron ogilviae* **sp. n.** p. 188 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

*Montipora granulata, turgescens* p. 10, WELLS.

†*Montipora granulata, turgescens* p. 10, WELLS.

†*Montlivaltia* p. 329, *thurmanni, truncata, cartieri* p. 330, *laufonensis* p. 330 fig., GEYER (1).—*M. sp.* p. 182, KOLOSVÁRY (1).

*Mycedium tubifex* p. 16, WELLS.

†*Mycedium tubifex* p. 16, WELLS.

†? *Mycetophyllia stellifera* p. 115 fig., ZBYSZEWSKI.

†*Nagatophyllum satoi* p. 138 fig., MINATO (1).

†*Nalivkinella* p. 31, *minima* **sp. n.** p. 31 fig. Devonian Urals, *profunda* p. 33 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*N.* pp. 45, 66, *minima* p. 66 fig., *profunda* p. 66 fig., [SOSHKINA (1)].

†*Nardophyllum* pp. 42, 75, *cuneiforme* p. 75 fig., *vermiforme* p. 75 fig., *compositum* p. 75 fig., [SOSHKINA (1)].

†*Neocolumnaria* pp. 47, 99, *vagranensis* p. 99 fig., *biensis* p. 99 fig., [SOSHKINA (1)].

†*Neocolumnariidae* discussed p. 91, [SOSHKINA].—*N.* pp. 34, 47, 99, [SOSHKINA (1)].

†*Neokoninckophyllum* **sp. ind.** p. 100, MINATO (1).

†*Neostrophophyllum* p. 52, *isetense* **sp. n.** p. 53 fig. Devonian Urals, *modicum* p. 58 fig., *pronini* **sp. n.** p. 61 fig. Devonian Urals, [SOSHKINA] Trav. Inst. palaeont. Acad. U.R.S.S. 34 1951.—*N.* pp. 46, 89, *heterophylloides* p. 89 fig., *pronini* p. 89 fig., *isetense* p. 89 fig., *modicum* p. 90 fig., *difficile* p. 90 fig., *waltheri* p. 90 fig., [SOSHKINA (1)].

†*Nicholsoniella* **gen. n.** (fam. Lindströmiidae) pp. 45, 66, type sp. (by monotypy) *baschkirica* **sp. n.** p. 66 fig. Devonian Urals, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.

Nynantheae p. 357, HAND.

†*Oligophyllum* p. 30, *quinqueseptatum* p. 30 fig., [SOSHKINA].—*O.* pp. 45, 66, *quinqueseptatum* p. 67 fig., [SOSHKINA (1)].

†*Omphalophyllia yamanbaensis* p. 179 fig., MINATO (1).

†*Opisthophyllidae* **subfam. n.** (of *Amphiastracidae*) p. 189, GEYER Paläont. Z. 29 3-4 1955.

†*Opisthophyllum* p. 189, *zitteli* p. 189 fig., *vesiculare* p. 189 fig., *minimum* p. 189, GEYER.

†*Orbicella bumi* **sp. n.** p. 253 fig. Oligocene Java, OSBERGER N. Jahrb. Geol. Paläont. Monats. 1955 B6.—*O.* cf. *cyclommatus* p. 55, *borradailei* p. 63 fig., OSBERGER (1).

†*Orionastraea* **sp.** p. 92 fig., MINATO (1).

†*Ovalastraea* [as *Ovalastrea* (sic)] p. 333, *lobata* p. 333, GEYER (1).

†*Pachyphyllum devoniense* p. 227 fig., *ibergense* p. 227 fig., [IVANIA].—*P.* discussed p. 84, *ibergense* p. 86 fig., *cinctum* p. 88 fig., *bowerbanki* p. 89 fig., [SOSHKINA].—*P.* pp. 42, 86, *cinctum* p. 86 fig., *bowerbanki* p. 86 fig., *hennahi* p. 86 fig., *devoniense* p. 86 fig., *ibergense* p. 86 fig., [SOSHKINA (1)].—*P. crassicostatum* p. 88 fig., *woodmanni* p. 88 fig., *levatum* p. 89 fig., *irregulare* p. 89 fig., [SOSHKINA (2)].—*P.* p. 68, *ibergense* p. 69, [SOSHKINA (3)].

†*Pachyseris* cf. *javana* p. 254, OSBERGER (2).

†*Palaeosmilium kitakamiensis* p. 169 fig., MINATO (1).

†*Paliphyllum* **nom. nud.**, *primarius* **nom. nud.** p. 94, [SOSHKINA (4)].

*Palythoa gridellii* **sp. n.** p. 133 fig. Ceylon, PAX & MÜLLER Atti Mus. Civ. Stor. nat. 20 3 (7-8) 1955.

*Paraedwardsia abyssorum* **sp. n.** p. 101 fig. tropical mid-Atlantic, CARLGREN Rep. Swedish Deep-Sea Exped. 1947-8 2 1 1951.

*Paranemonia cinerea* p. 71, PAX & MÜLLER.—*P. cinerea* p. 119, PAX & MÜLLER (1).

*Parantipathes larix* p. 108 fig., PAX & MÜLLER (1).



†*Parasmilia jusanii* **sp. n.** p. 397 fig. Oligocene France, CHEVALIER Bull. Soc. Hist. nat. Toulouse 90 3-4 1955.—*P. cf. cylindracea* p. 117 fig., *granulata* p. 118 fig., RONCHETTI.—*P. helenae* **sp. n.** p. 254 fig. (Conspectus p. 88) Lower Eocene Poland, RÓŻKOWSKA Acta geol. polon. 5 2 1955.

*Parazoanthus axinellae adriaticus* p. 110, **sp. p.** 111, PAX & MÜLLER (1).

†*Pattalophyllia subcurvata* p. 398 fig., CHEVALIER (1).

*Peachia hastata* p. 63 fig., PAX & MÜLLER.

†*Peneckiella darwini* p. 219 fig., *tabulata* p. 219 fig., [IVANIA].—*P.* discussed p. 103, *juresanensis* **sp. n.** p. 104 fig. Devonian Urals, *minima* p. 106 fig., *darwini* p. 107 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*P.* pp. 46, 103, *naliukini* p. 103 fig., *achanaensis* p. 103 fig., *tolstichinae* **sp. n.** p. 103 fig. Devonian Russian Platform, *jevlanensis* **sp. n.** p. 103 fig. Devonian Russian Platform and Timan, *darwini* p. 104 fig., *minima* p. 104 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*P.* p. 32, *tolstichinae* p. 32 fig., *jevlanensis* **sp. n.** p. 35 fig. Devonian Russian Platform, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 52 1954.

†*Peneckiellidae* discussed p. 101, [SOSHKINA].—*P.* pp. 34, 45, 102, [SOSHKINA (1)].

†*Petraia* **sp. p.** 63, MINATO (1).

†*Petrophylliella javana, trochoides* p. 49, OSBERGER (1).

†*Phillipsastraea sedgwicki* p. 221 fig., *lazutkini* p. 222 fig., *lateseptata* **sp. n.** p. 222 fig. Devonian W. Siberia, *pentagona* p. 223 fig., *micrommata* p. 223 fig., [IVANIA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955.—*P.* discussed p. 95, *ibergense* p. 86, *cinctum* p. 88, and *bowerbanki* p. 89 are spp. of *Pachyphyllum* (q.v.), *sedgwicki* p. 96 fig., *limitata* p. 97 fig., *filata* p. 98 fig., *pengelli* [sic] p. 100 fig., [SOSHKINA].—*P.* pp. 47, 101, *filata* p. 101, *limitata* p. 101 fig., *thomasi* p. 101 fig., *sedgwicki* p. 102 fig., *pentagona* p. 102 fig., *pengelli* [sic] p. 102 fig., [SOSHKINA (1)].—*P.* p. 45, *sedgwicki* p. 46 fig., *thomasi* p. 47 fig., [SOSHKINA (3)].

†*Pholidophyllidae* pp. 32, 44, 74, [SOSHKINA (1)].

†*Phyllocoenia archiaci* Milne-Edwards non Abich re-named *Tarbellastraea edwardsi* p. 390 fig., *ovalis* a sp. of *Tarbellastraea* p. 392 fig., CHEVALIER (1).

*Pindosmia* **gen. n.** (fam. Stylophyllidae) p. 200, type sp. (by original designation) *brunni* **sp. n.** p. 200 fig. Miocene Greece, CHEVALIER Bull. Soc. géol. Fr. 6 5 1-3 1955.

†*Placophyllia minima* **sp. n.** p. 327 fig. Jurassic Portugal, GEYER Senckenbergiana Lethaea 35 5-6 1955.

†*Placophyllum* not a synonym of *Fletcheria* p. 261, LANG, SMITH & THOMAS.

†*Platycoenia palmata* p. 395 fig., CHEVALIER (1).

*Platygyra lamellina, rustica* p. 13, *astreiformis* p. 14, WELLS.

†*Platygyra lamellina, rustica* p. 13, *astreiformis* p. 14, WELLS.

†*Platyphyllum* pp. 44, 77, *europeum* p. 77 fig., [SOSHKINA (1)].

*Plesiastraea* [as *Plesiastrea* (sic)] *versipora* p. 14, WELLS.

†*Plesiastraea* [as *Plesiastrea* (sic)] *versipora* p. 14, WELLS.

†*Plesiophyllum harrensis* **sp. n.** p. 679 fig., Jurassic Arabia, ALLOITEAU Bull. Soc. géol. Fr. 6 4 7-9 1955.

†*Pleurophyllia* p. 193, *gracilis* **sp. n.**, p. 193 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.

†*Pleurosmlia kobyi* p. 252 fig., cf. *kobyi* p. 252 fig., ATANASIU & SEMAKA.

*Pocillopora damicornis* p. 9, WELLS.

†*Pocillopora damicornis* p. 9, WELLS.

†*Polycocelia japonica* p. 64 fig., MINATO (1).

†*Porites oligocenica* **sp. n.** p. 400 fig., *matheroni* **sp. n.** p. 402 fig., var. *major* **var. n.** p. 402 fig., Oligocene France, *parisiorum tertia decima* p. 401 fig., CHEVALIER Bull. Soc. Hist. nat. Toulouse 90 3-4 1955.—*P.* **sp.** pp. 59, 67, OSBERGER (1).—*P. incrustana* p. 116 fig., ZBYSZEWski.

†*Porpites* p. 6, *rotuloides* p. 4 fig., *porpita* p. 6 fig., JEFFORDS.

†*Prismatophyllum hexagonum* Bulvan-  
ker re-named *Megaphyllum bulvankerae*  
p. 38 fig., [SOSHKINA (3)].

†*Protoseris* ? *recurvata* p. 204, GEYER.  
—*P. robusta* p. 333, GEYER (1).

*Psammocora* (*Stephanaria*) *vaughani* p.  
10, WELLS.

†*Psammocora* (*Stephanaria*) *vaughani*  
p. 10, WELLS.

†*Psammogyra voltzi* p. 329 fig., GEYER  
(1).

†*Pseudamplexus* pp. 45, 73, *fascicularis*  
p. 73 fig., *biseptatus* p. 73 fig., *ligeriensis*  
p. 74 fig., *quadripartitus* p. 74 fig.,  
[SOSHKINA (1)].

†*Pseudocania* sp. p. 231 fig., MINATO.  
—*P.* sp. p. 71 fig., MINATO (1).

†*Pseudochonophyllum pseudohelanthoides*  
p. 218 fig., [KRAEVSKAYA].—*P.* pp.  
48, 98, *pseudohelanthoides* p. 99 fig.,  
[SOSHKINA (1)].

†*Pseudodorlodotia* **gen. n.** (fam. Litho-  
strotrionidae) pp. 86, 90, type sp. (by  
original designation) *Thysanophyllum*  
*longiseptatum* p. 86, *pseudovermiculare*  
p. 86, *kakimii* **sp. n.** p. 90 fig. Carbon-  
iferous Japan, MINATO J. Fac. Sci.  
Hokkaido Univ. 49 2 1955.

†*Pseudomicroplasma* pp. 42, 75, *fongi*  
p. 76 fig., *uralica* p. 76 fig., *talicensis*  
**sp. n.** p. 76 fig. Devonian Urals, [SOSHKINA]  
Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*P.* p. 63, *uralicum*  
p. 64 fig., *fongi* p. 64 fig., [SOSHKINA  
(3)].

†*Pseudopavona taisyakuana* p. 180 fig.,  
MINATO (1).

†*Pseudopetraia* p. 23, *devonica* p. 24  
fig., *geniseptata* p. 26 fig., **spp. n.**  
Devonian Urals, [SOSHKINA] Trav.  
Inst. palaeont. Acad. Sci. U.R.S.S. 34  
1951.—*P.* pp. 44, 65, *devonica* p. 65 fig.,  
*geniseptata* p. 65 fig., [SOSHKINA (1)].

†*Pseudopisthophyllum* **gen. n.** (fam.  
Amphistraeidae) p. 190, type sp. (by  
original designation) *berckhemeri* **sp. n.**  
p. 190 fig. Jurassic Czechoslovakia,  
GEYER Paläont. Z. 29 3–4 1955.

†*Pseudospongophyllum* **gen. n.** (fam.  
Spongophyllidae) p. 213, type sp. (by  
original designation) *massivum* p. 213  
fig., *tomense* p. 213 fig., **spp. n.** Devon-  
ian W. Siberia, [KRAEVSKAYA] Atlas of

the leading forms of the fossil fauna and  
flora of Western Siberia 1 1955 [see p.  
192 for authorship of gen. et spp. n.].

†*Pseudostringophyllum caespitosum* is  
a sp. of *Megaphyllum* p. 110, [SOSHKINA].

†*Pseudoyatsengia kuzuensis* p. 121 fig.,  
MINATO (1).

†*Pseudozonophyllum* pp. 44, 79, *halli*  
p. 79 fig., *versiforme* p. 80 fig., *latum* p.  
80 fig., [SOSHKINA (1)].

†Ptenophyllidae pp. 34, 47, 82,  
[SOSHKINA (1)].

†*Pycnostylus guelfensis* pp. 81, 84 fig.,  
[SOSHKINA (2)].

*Ragactis pulchra* p. 73, PAX &  
MÜLLER.

†*Rhipidogyra alata* p. 195 fig., *percrassa*  
p. 195, GEYER.—*R. costata* p. 328,  
*elegans* p. 328 fig., GEYER (1).

†*Rhipidosmilia* **gen. n.** (fam. Rhipi-  
dogyridae) p. 197, type sp. (by  
original designation) *moravica* **sp. n.**  
p. 197 fig. Jurassic Czechoslovakia,  
GEYER Paläont. Z. 29 3–4 1955.

†*Rhizangia brevissima* p. 393 fig.,  
CHEVALIER (1).

†*Rhizophyllum* pp. 44, 76, *uralicum*  
p. 77 fig., *enorme*, *gervillei* p. 77, [SOSHKINA (1)].

†*Rhodophyllum sugiyamai* p. 227 fig.,  
*yokoyamai* p. 228 fig., **spp. n.** Carbon-  
iferous Japan, MINATO J. Sigenk. Kenk.  
1' 2 1943.—*R. yokoyamai* p. 101 fig.,  
*sugiyamai* p. 101 fig., MINATO (1).

*Sagartia luciae* the type sp. of *Hali-  
planella* p. 211, HAND (2).—*S. rhodo-  
dactylus* p. 80 fig., PAX & MÜLLER.—  
*S. troglodytes*, *rhododactylus* p. 121, PAX  
& MÜLLER (1).

Sagartiid species p. 103, CARLGREN.

†*Scalariogyra escharoides* p. 47, OS-  
BERGER (1).

†*Schizophyllum* a synonym of *Stringo-  
phyllum* (q.v.) pp. 48, 94, [SOSHKINA  
(1)].

†*Schizosmilia excelsa* p. 191, *koniakensis*  
p. 191, GEYER.

†*Schlüteria emsti* p. 224 fig., *striata* **sp. n.** p. 224 fig. Devonian W. Siberia, [IVANIA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955.—*S.* p. 92, *kostetskae* p. 92 fig., *fascicularis* p. 94 fig., [SOSHKINA].—*S.* pp. 47, 99, *verrucosa* **sp. n.** p. 100 fig. Devonian Russian Platform, *kostetskae* p. 100 fig., *fascicularis* p. 100 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*S.* p. 44, *fascicularis* p. 44 fig., *kostetskae* p. 45, [SOSHKINA (3)].

†*Seriatopora ornata* p. 66, OSBERGER (1).

†*Setamainella* **gen. n.** (fam. Clisio-phyllidae) p. 229, type sp. (by original designation) *hayasakai* **sp. n.** p. 229 fig. Carboniferous Japan, MINATO J. Sigenk. Kenk. 1 2 1943.—*S. hayasakai* p. 141 fig., MINATO (1).

†*Siderofungia graeciae* **sp. n.** p. 201 fig. Oligocene Greece, CHEVALIER Bull. Soc. géol. Fr. 6 5 1-3 1955.

†*Siphonodendron* p. 232, aff. *martini* p. 233 fig., *pseudomartini* p. 235 fig., *inugasirayamaensis* **sp. n.** p. 235 fig., sp. a ? **sp. n.** (sic) p. 236 fig., sp. b ? **sp. n.** (sic) p. 237 fig., Carboniferous Japan, MINATO J. Sigenk. Kenk. 1 2 1943.—*S. pseudomartini* p. 71 fig., *densitabulata* p. 72 fig., *martini* p. 73 fig., *pauciradiale* p. 74 fig., *inugasirayamaensis* p. 76 fig., aff. *hsinanense* p. 76, sp. a p. 77 fig., sp. b p. 77 fig., MINATO (1).

†*Sochikineophyllum* [as *Sochikineophyllum* (sic)] *s-hasimotoi* **sp. n.** p. 67 fig. Permian Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Solenastraea koberi* **sp. n.** p. 57 fig. Younger Tertiary Java, OSBERGER Neues Jb. Geol. Paläont. Abh. 101 1 1955.—*S. koberi* p. 207 fig., OSBERGER.

†*Soljania* **nom. nov.** for *Microcyathus* Döderlein non Hinde p. 75, PAX Bull. sci. Yougoslav. 2 (3) 1955.

†*Solominella* **gen. n.** (fam. Neocolumnariidae) p. 225, type sp. (by original designation) *soshkinae* **sp. n.** p. 226 fig. Devonian W. Siberia, [IVANIA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955.

*Sphaeranthula* **gen. n.** p. 1, type sp. (by original designation) *straeleni* **sp. n.** p. 1 fig. W. Africa, LELOUP Rés. Scient. Expéd. Océanogr. Belg. Eaux Côt. Afr. 3 4 1955.

†*Spinophyllum fasciculare* is a *Schlüteria* p. 94, [SOSHKINA].

†Spongophyllidae pp. 34, 47, 92, [SOSHKINA (1)].

†*Spongophyllum originalis* p. 214 fig., *minimum* p. 215 fig., **spp. n.** Devonian W. Siberia, [KRAEVSKAYA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955 [see p. 192 for authorship of spp. n.].—*S.* pp. 48, 93, *sedgwicki* p. 93 fig., *halisitoidea* p. 93 fig., [SOSHKINA (1)].

†*Stenophyllum vogulicum* p. 210 fig., *gorskii* **sp. n.** p. 211 fig., *sibiricum* p. 211 fig., *devonicum* p. 211 fig., *salairicum* p. 212 fig., *soshkinae* p. 212 fig., **spp. n.** Devonian W. Siberia, [KRAEVSKAYA] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955 [see p. 192 for authorship of spp. n.].—*S.* pp. 48, 93, *spinulosum* **sp. n.** p. 93 fig. Devonian Armenia, *hedströmi* p. 94 fig., *altum* p. 94 fig., *uralicum* p. 94 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.

*Stephanaria* see *Psammocora*.

†*Stephanaria* see †*Psammocora*.

†*Stereophrentis* **gen. n.** (fam. Zaphrentidae) p. 300, type sp. (by original designation) *Zaphrentis delanouei* p. 300 Carboniferous Belgium, *konincki* p. 301 fig., [FOMITCHEV] Atlas of the leading forms of the fossil fauna and flora of Western Siberia 1 1955.

*Stoichactis helianthus* p. 122, PAX & MÜLLER (1).

*Stomphia coccinea* p. 121, MACGINITIE.

†*Streptelasma* cf. *aequisulcatum* p. 240 fig., HILL.—*S. latum* p. 22 fig., *sibiricum* p. 23 fig., *viliuense* p. 23 fig., *S. ? completum* p. 23 fig., *electum* p. 24 fig., **spp. n.** Silurian Siberia, [NIKOLAIEVA] in [Nikiforova Field Atlas Ord. and Sil. Fauna of the Siberian Platform] 1955.

†*Stringophyllum* a synonym of *Schizophyllum* pp. 48, 94, *duplex* p. 94 fig., *tenue* p. 94, *normale* p. 95, *convolutum* p. 95 fig., *difficile* p. 95 fig., [SOSHKINA (1)].



†*Stylidophyllum volzi* p. 293 fig., *volzi* ? p. 295, *undulatum* **sp. n.** p. 296 fig. Permian Turkey, FLÜGEL Neues Jb. Geol. Paläont. Abh. 101 3 1955.—*S. japonicum* p. 131 fig., *S. ? sp. ind.* p. 131 fig., *sikokuense* **nom. n.** for *Polythecalis japonica* Yabe & Minato non Lonsdaleia *japonica* Yabe & Hayasaka p. 132 fig. Permian Japan, *yokoyamai* p. 134 fig., MINATO J. Fac. Sci. Hokkaido Univ. 4 9 2 1955.

†*Stylina elegans* p. 251 fig., ATANASIU & SEMAKA.—*S. decipiens* p. 182, *anthemoides* p. 183, *milleporacea* p. 183 fig., *tubulifera* p. 184, *strambergensis* **sp. n.** p. 184 fig. Jurassic Czechoslovakia, GEYER Paläont. Z. 29 3-4 1955.—*S. p. 322*, *girodi* p. 322 fig., *decipiens*, *limbata* p. 323, *algarvensis* **sp. n.** p. 323 fig. Jurassic Portugal, GEYER Senckenbergiana Lethaea 35 5-6 1955.

†Stylinidae p. 321, GEYER (1).

*Stylophora pistillata* p. 8, WELLS.

†*Stylophora* aff. *raristella* p. 197, CHEVALIER.—*S. conferta* p. 382 fig., *thyrsiformis* p. 383 fig., *gaensis* **sp. n.** p. 385 fig. Oligocene France, *ramulosa* p. 387 fig., cf. *distans* p. 388 fig., CHEVALIER Bull. Soc. Hist. nat. Toulouse 90 3-4 1955.—*S. pistillata* pp. 59, 65, *sokkoensis* p. 66, OSBERGER (1).—*S. pistillata* p. 8, WELLS.—*S. raristella* p. 115 fig., *sp.* p. 115, ZBYSZEWSKI.

†? *Stylophyllum* *sp.* p. 227, [MOISEEV].

†*Sugiyamaella carbonarium* p. 150 fig., MINATO (1).

†*Synastraea* [as *Synastrea* (sic)] *pseud-arachnoides* p. 207, *confluens* p. 207 fig., *cristata* p. 207 fig., GEYER.

†*Tabellaephyllum* p. 111, *rosiformis* **sp. n.** p. 111 fig. Devonian Urals, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*T.* pp. 46, 105, *mosquense* p. 105 fig., *livnense* p. 106 fig., **spp. n.** Devonian Russian Platform, *rosiforme* p. 106 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*T.* p. 58, *livnense* p. 59 fig., *mosquense* p. 61 fig., [SOSHKINA (3)].

†*Tabulophyllum* p. 34, *normale* p. 35 fig., *longiseptatum* **sp. n.** p. 38 fig. Devonian Timan, *gorskyi* **sp. n.** p. 39 fig. Devonian Timan, *weberi* p. 41 fig., *macconnelli* p. 43 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*T.* pp. 44, 69,

*weberi* p. 70 fig., *delicatum* **sp. n.** p. 70 fig. Devonian Russian Platform, *pseudosociale* **sp. n.** p. 71 fig. Devonian Russian Platform, *grandivesticulosum* **sp. n.** p. 71 fig. Devonian Armenia, *normale* p. 71 fig., *longiseptatum* **sp. n.** p. 71 fig. Devonian Timan and Kutzbassa, *gorskyi* **sp. n.** p. 72 fig. Devonian Timan and Kutzbassa, *heckeri* **sp. n.** p. 72 fig. Devonian Russian Platform and Timan, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 39 1952.—*T.* p. 48, *verrucosum* p. 49 fig., *heckeri* **sp. n.** p. 51 fig. Devonian Russian Platform, *pseudosociale* p. 54 fig., *delicatum* p. 57 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 52 1954.

†*Taisyakuphyllum* **gen. n.** (fam. Amygdalophyllidae) p. 143, type *sp.* (by original designation) *rostfer* **sp. n.** p. 143 fig. Carboniferous Japan, MINATO J. Fac. Sci. Hokkaido Univ. 4 9 2 1955.

†*Tarbellastraea edwardsi* **nom. nov.** (for *Phyllocoenia archiaci* Milne-Edwards non Abich) p. 390 fig. Oligocene France, *ovalis* p. 392 fig., CHEVALIER Bull. Soc. Hist. nat. Toulouse 90 3-4 1955.

*Tealia* p. 68, *tuberculata* p. 71, *crassicornis* p. 72 fig., *coriacea* p. 76 fig., *lofotensis* p. 80 fig., HAND (1).—*T. felina* p. 118, PAX & MÜLLER (1).

†*Temnophyllum* p. 65, *waltheri* p. 66, *difficile* **sp. n.** p. 66 fig. Devonian Urals, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.

†*Thamnasteria dendroidea* p. 201 fig., GEYER.—*T. moreana* p. 334 fig., GEYER (1).—*T.* *sp.* p. 181, KOLOSVÁRY (1).

†Thamnophyllidae discussed p. 73, [SOSHKINA].—*T.* pp. 31, 42, 83, [SOSHKINA (1)].

†*Thamnophyllum trigemme* p. 218 fig., [KRAEVSKAYA].—*T.* p. 74, *uniense* **sp. n.** p. 75 fig. Devonian Urals, *virgatum* **sp. n.** p. 76 fig. Devonian Urals and Timan, *monozonatum* p. 78 fig., [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 34 1951.—*T.* pp. 42, 85, *uniense* p. 85 fig., *trigemme* p. 85 fig., *monozonatum* p. 85 fig., *virgatum* p. 85 fig., *stramineum* p. 85 fig., [SOSHKINA (1)].—*T. murchisoni* p. 83 fig., *stachei*

p. 85 fig., *trigemme* p. 85 fig., *virgatum* p. 87 fig., [SOSHKINA (2)].—*T.* p. 65, *trigemme* p. 65 fig., *petinense* **sp. n.** p. 66 fig. Devonian Russian Platform, [SOSHKINA] Trav. Inst. palaeont. Acad. Sci. U.R.S.S. 52 1954.—*T.* see also *Macgeea*.

†*Thamnoseris fromenteli* p. 334, GEYER (1).

†*Thecocyathus mactra* p. 14, GUÉRIN.

†*Thecosmilia magna* p. 199, GEYER.—*T. trichotoma* p. 330, GEYER (1).—*T. caespitosa* var. *ussuriensis* **var. n.** p. 227 fig., *angaraensis* **sp. n.** p. 229 fig., Trias Primorsk Land, Russia, [MOISEEV] Trud. Leningr. Soc. Nat. 68 2 1951.

†*Thecosmiliacea* p. 230 fig., [MOISEEV].

Thenaria tribe of the Nynantheae p. 37, HAND (1).

†*Thysanophyllum* p. 84, *longiseptatum* the type sp. of *Pseudodorlodotia* p. 86, *pseudovermiculare* a sp. of *Pseudodorlodotia* p. 86, *aseptatum* p. 87 fig., MINATO (1).

†*Timorphyllum* p. 151, *wanneri* var. *wanneri* p. 153 fig., var. *variabile* p. 156 fig., var. *complicatum* p. 157 fig., *breviseptatum* **sp. n.** Permian Timor, SCHOUPPÉ & STACUL Palaeontographica Suppl. 4 5 3 1955.

†*Trachypsammia* see *Alcyonaria*.

†*Trapezophyllum* p. 107, *dicasticum* **sp. n.** p. 107 fig. Devonian Germany, GLINSKI Senckenbergiana Lethaea 36 1-2 1955.

†*Trochocyathus* p. 104, *conulus* p. 105, *desioi* **sp. n.** pp. 105, 106 fig. Cretaceous Libya, cf. *epicharis* pp. 105, 108, aff. *harveyanus* pp. 105, 109, *libycus* **sp. n.** pp. 105, 110 fig. Cretaceous Libya, sp. ind. pp. 105, 112, RONCHETTI Riv. ital. Paleont. Strat. 61 3 1955.—*T. calcitrapa* a sp. of *Caryophyllia* p. 246, RÓŻKOWSKA.

†*Trochoscilia subcurvata* a sp. of *Pattalophyllia* p. 398 fig., CHEVALIER (1).

†*Tryplasma cerioides* **sp. n.** p. 240 fig. Ordovician Tasmania, HILL Proc. roy. Soc. Tasmania 89 1955.—*T.* p. 206, *devoniana* p. 207 fig., *altaica* p. 207 fig., *hercynica* p. 208 fig., [KRAEVSKAYA].—*T.* pp. 44, 74, *devoniana* p. 75 fig., *hercynica* p. 75 fig., [SOSHKINA (1)].

*Turbinaria crater, danae, peltata* p. 16, WELLS.

†*Turbinaria crater, danae, peltata* p. 16, WELLS.

†*Uralophyllum* pp. 43, 80, *unicum* p. 81 fig., [SOSHKINA (1)].

†*Verbeekiella japonicum* p. 126 fig., MINATO (1).—*V.* p. 141, *australis* p. 143 fig., *gerthi* **sp. n.** p. 147 fig. Permian Timor, *arboricalis* **sp. n.** p. 150 fig. Permian Timor, SCHOUPPÉ & STACUL Palaeontographica Suppl. 4 5 3 1955.

†*Verbeekiellidae* **fam. n.** p. 141, SCHOUPPÉ & STACUL Palaeontographica Suppl. 4 5 3 1955.

†*Waagenophyllum cinctum* p. 298 fig., *tabellatum* p. 299 fig., cf. *tabellatum* p. 299 fig., *persicum* p. 300 fig., FLÜGEL (3).—*W. indicum* p. 102 fig., var. *usuginuensis* **var. n.** p. 103 fig., *akasakensis* p. 104 fig., *polyseptata* **sp. n.** p. 105 fig., *akagoensis* p. 107 fig., Permian Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Wannerophyllum* **gen. n.** p. 159, type sp. (by original designation) *Carcinophyllum cristatum* pp. 159, 162 fig., *tubulosum* p. 167 fig., *elongatum* **sp. n.** p. 171 fig., *minus* **sp. n.** p. 173 fig., *timoricum* **sp. n.** p. 174 fig., *excedens* **sp. n.** p. 176 fig., Permian Timor, SCHOUPPÉ & STACUL Palaeontographica Suppl. 4 5 3 1955.

†*Wentzelella subtimorica* p. 301 fig., *persica* p. 304 fig., *anatolica* **sp. n.** p. 305 fig. Permian Anatolia, sp. p. 307, FLÜGEL Neues Jb. Geol. Paläont. Abh. 101 3 1955.—*W. sekii* **sp. n.** p. 108 fig., *ozawai* **nom. n.** for *frechi* Ozawa non Volz p. 110 fig., Permian Japan, *iwaizakiensis* p. 110 fig., *kitakamiensis* p. 111 fig., *subtimorica* p. 113 fig., MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.

†*Wentzelloides* discussed p. 113, *maiyaensis* [as *maiyaensis* (sic)] p. 114 fig., MINATO (1).

†*Xenocyathellus* p. 15, *thedfordensis* p. 15 fig., JEFFORDS.

†*Yatsengia asiatica* p. 310 fig., *asiatica* ? p. 311 fig., FLÜGEL (3).—*Y. kiangsuensis* var. *mabutii* **var. n.** p. 117 fig., *ibukiensis* **sp. n.** p. 118 fig., *kabayamensis* **sp. n.** p. 120 fig., Permian Japan, MINATO J. Fac. Sci. Hokkaido Univ. 49 2 1955.



†*Yuanophyllum yabei* p. 142 fig.,  
MINATO (1).

*Zaolutus* **gen. n.** (fam. Isanthidae) p. 88, type sp. (by monotypy) *actius* p. 89 fig. Central California, HAND Was-  
mann J. Biol. 13 1 1955.

†*Zaphrentis delanouei* p. 300 and  
*konincki* p. 301 are spp. of *Stereophrentis*  
(q.v.), [FOMITCHEV].

†*Zelophyllia* **gen. n.** (fam. Kodono-  
phyllidae) pp. 45, 74, type sp. (by  
monotypy) *tabulata* **sp. n.** p. 74 fig.  
Devonian Urals, Armenia and Carnic  
Alps, [SOSHKINA] Trav. Inst. palaeont.  
Acad. Sci. U.R.S.S. 39 1952.

†*Zelophyllum högklintyi* p. 83 fig.,  
[SOSHKINA (2)].

*Zoantha* see Alcyonaria.

*Zoanthus calypso, epistreptus* p. 118,  
PAX & MÜLLER (1).

†*Zonophyllum* pp. 43, 77, *centrale*,  
*duplicatum* p. 78, *parvum* p. 78 fig.,  
[SOSHKINA (1)].

## CTENOPHORA

*Beroë cucumis* p. 123, MACGINITIE.

*Bolinopsis infundibulum* p. 123, MAC-  
GINITIE.

*Coeloplana sophiae* p. 76, DAWYDOFF.

*Mertensia ovum* p. 123, MACGINITIE.

## INCERTAE SEDIS

†*Khmeria* see Zoantharia.

*Rhabdochitina* ? cf. *minnesotensis* p.  
850 fig., WHITTINGTON.